Exelon IST Program Technical Position
Classification of Skid Mounted Components

Purpose

The purpose of this technical position is to clarify requirements for classification of various components including Diesel Oil Transfer Pumps as skid mounted components, and to clarify testing requirements of check valves designated as skid mounted.

Background

The ASME Code allows classification of some components as skid mounted when their satisfactory operation is demonstrated by the performance of major components. Testing of the major component is sufficient to satisfy IST testing requirements for skid mounted components. In the 1996a addenda to the ASME OM Code (endorsed by 10CFR50.55(a) in October 2000), the term skid-mounted was clarified by the addition of ISTA paragraph 1.7:

> ISTA 1.7 Definitions
>
> *Skid mounted components and component sub assemblies* – components integral to or that support operation of major components, even though these components may not be located directly on the skid. In general, these components are supplied by the manufacturer of the major component. Examples include: diesel skid-mounted fuel oil pumps and valves, steam admission and trip throttle valves for high-pressure coolant injection or auxiliary feedwater turbine-driven pumps, and solenoid-operated valve provided to control the air-operated valve.

This definition was further clarified in the 1998 ASME OM Code:

> ISTA-2000 DEFINITIONS
>
> *Skid mounted pumps and valves* – pumps and valves integral to or that support operation of major components, even though these components may not be located directly on the skid. In general, these pumps and valves are supplied by the manufacturer of the major component. Examples include:
>
> (a) diesel fuel oil pumps and valves;
> (b) steam admission and trip throttle valves for high-pressure coolant injection pumps;
> (c) steam admission and trip throttle valves for auxiliary feedwater turbine driven pumps;
> (d) solenoid-operated valves provided to control an air-operated valve.

In section 3.4 of NUREG 1482, the NRC supports the designation of components as skid mounted:

> The staff has determined that the testing of the major component is an acceptable means for verifying the operational readiness of the skid-mounted and component subassemblies if the licensee documents this approach in the IST Program. This is acceptable for both Code class components and non-Code class components tested and tracked by the IST Program.

Subsection ISTC of OMa-1996, "Inservice Testing of Valves in Light-Water Reactor Power Plants", Paragraph 1.2, "Exclusions" states:

> "....Skid-mounted valves and component subassemblies are excluded from this Subsection provided they are tested as part of the major component and are determined by the Owner to be adequately tested."

Position

The 1998 ASME OM Code definition of skid mounted should be used for classification of components in the Exelon Inservice Testing Program. In addition, for a component to be considered skid mounted:

- The major component associated with the skid mounted component must be surveillance tested at a frequency sufficient to meet ASME OM Code test frequency for the skid mounted component.
- Satisfactory operation of the skid mounted component must be demonstrated by satisfactory operation of the major component.
- The IST Bases Document should describe the bases for classifying a component as skid mounted, and the IST Program Plan should reference this technical position for the component.

For Stations committed to the 1996 addenda of the 1995 OM Code for Inservice Exercise Testing of Category C Check Valves (ISTC 4.5 and Appendix II), testing as required by ISTC 4.5 does not apply for check valves designated as skid mounted.

Justification

Classification of components as skid mounted eliminates the need for testing of sub components that are redundant with testing of major components provided testing of the major components demonstrates satisfactory operation of the "skid mounted" components.

As recognized in section 3.4 of NUREG 1482:

> Various pumps and valves procured as part of larger component subassemblies are often not designed to meet the requirements for components in ASME code classes 1, 2, and 3.

References

All references are called out in the text of the technical position.

Assumptions

None

Status

Final

Exelon IST Program Technical Position

Non-Safety Check Valve Exercise Testing By Normal Operations

Purpose

The purpose of this Technical Position is to establish the Company position for the verification of the non-safety exercise testing of check valves by normal plant operations. This is applicable to check valves in the Inservice Testing (IST) Program as related to the ASME OMa Code-1996 Addenda to the ASME OMa Code-1995.

Applicability

This Technical Position is NOT applicable to testing the safety function (position) of IST Check Valves. Safety function here means the function of the valve that meets a scoping requirement to be in the IST Program. This Technical Position is applicable to testing the **non-safety function** (position) of IST check valves. This Technical Position is applicable to check valves tested under Subsection ISTC, and to Appendix II (Condition Monitoring), of the ASME OMa Code-1996 Addenda.

Background

The ASME OMa Code-1996 Addenda in section ISTC 4.5.3, "Valves in Regular Use," states the following:

> "Check valves that operate in the course of plant operation at a frequency that would satisfy the exercising requirements of this Subsection need not be additionally exercised if the observations otherwise required for testing are made and analyzed during such operation and are recorded in the plant records at intervals not greater than specified in para. ISTC 4.5.1."

Section 4.5.1 indicates that check valves shall be exercised nominally every 3 months with exceptions (for extended exercise periods) referenced.

Section 4.5.4 (2) states that,

> "Check valves that have a safety function in only the open direction shall be exercised by initiating flow and observing that the obturator has traveled to either the full open position or to the position required to perform its intended function(s) (see para. ISTC 1.1), and verify closure."

Section 4.5.4 (3) states that,

> "Check valves that have a safety function in only the close direction shall be exercised by initiating flow and observing that the obturator has traveled to at least the partially open position[2],..."

Footnote 2 to this section indicates that the partially open position should correspond to the normal or expected system flow. NOTE: "Normal or expected," system flow rate may vary with plant conditions and configurations. The open safety function of a check valve usually requires meeting a specified, required limiting accident flow rate. As Operators are trained in recognizing normal plant conditions, Operator judgement is acceptable in ascertaining whether the non-safety open check valve position is providing normal or expected flow rates or plant conditions.

As stated in these two sections the non-safety function is satisfactorily demonstrated by verifying closure, or passing normal or expected flow to verify opening, as applicable.

Position

Verification of the non-safety position of IST check valves may be performed through the execution of a dedicated surveillance. Alternately this verification may be satisfied as follows:

- An appropriate means shall be determined which establishes how the open/closed non-safety function of the specified check valve is demonstrated during normal operations. The position determination may be by direct indicator, or by other positive means such as changes in system pressure, flow rate, level, temperature, seat leakage, etc. This determination shall be documented in the respective Condition Monitoring Plan in the "Bases for Testing and Inspection Strategy," for valves in the Condition Monitoring Program. For check valves governed by Subsection ISTC and not in Condition Monitoring this determination shall be documented in the respective IST Bases Document valve group in the, "Bases Statement," section.
- Automated processes may be used to provide for the "observation and analysis," that a check valve is appropriately satisfying its' non-safety position function. An example of this would be a check valve that has a safety function in only the close direction and normally has flow through it to maintain normal plant operations. If the check valve is not opening to pass flow, alarms or indications would identify the problem to the Operator who is trained to respond to such situations and take appropriate actions. Condition Reports are normally written for abnormal plant conditions attributable to material condition concerns such as check valve failures.

- The "observation and analysis," of logs and other such records is satisfied by Operator reviews. Operating personnel are trained to look for off-normal data and adverse trends and take actions as appropriate. This would effectively determine if a check valve were satisfactorily fulfilling its' non-safety function.
- The open/closed non-safety function shall be recorded at a periodicity required by ISTC 4.5.1, with exceptions as provided, in plant records such as Operator logs, Electronic Rounds, chart recorders, automated data loggers, etc. NOTE: The safety function testing of these valves constitutes requiring a Quality Record. Records as indicated above are appropriate for the non-safety testing. Should any concerns arise regarding the material condition/operation of these check valves a Condition Report is written which is a Quality Record. The method in which the check valve position is recorded shall be included in the Condition Monitoring Plan or Bases Document sections as indicated above.

Justification

This Technical Position requires that the method of determining the non-safety position be established. The plant systems and Operator actions provide for the observations and analysis that the valve is satisfying its' non-safety function. Finally, the recording of parameters demonstrating valve position is satisfied at a frequency specified in ISTC 4.5.1. These actions collectively satisfy demonstrating the non-safety position of IST check valves in regular use as required by ISTC 4.5.3.

Assumptions

None

Status

Final

Exelon IST Program Technical Position
Thermal Relief Valve Scoping

Purpose

The purpose of this technical position is to provide the bases for determining whether thermal relief valves should be included in the Inservice Testing (IST) Program.

Background

A thermal relief valve is a relief that protects the associated system from over pressurization due to thermal expansion. Whether these valves need to be included in the IST Program depends on the function of the system or subsystem they are in.

Position

- If a systems or subsystem does NOT perform a required function in shutting down a reactor to the cold shutdown condition, in maintaining the cold shutdown condition, or in mitigating the consequences of an accident, then the thermal relief valve(s) in those systems/subsystems need not be placed in the IST Program.
- If a system or subsystem performs a required function in shutting down a reactor to the cold shutdown condition, in maintaining the cold shutdown condition, or in mitigating the consequences of an accident, then the thermal relief valve(s) in those systems/subsystems shall be placed in the IST Program. Allowed exceptions to this requirement are the exclusion of valves which do not provide overpressurization protection to those systems (or portions thereof) as established by design requirements.
- Plants whose licensing basis is to achieve Hot Standby need not include systems/components used to bring the reactor from hot standby to cold shutdown in their IST programs.

Justification

ANSI/ASME OMa-1988, Part 10, "Inservice Testing of Valves in Light Water Reactor Power Plants," Section 1.1, "Scope," states the following:

> "The pressure-relief devices covered are those for protecting systems or portions of systems which perform a required function in shutting down a reactor to the cold shutdown condition, in maintaining the cold shutdown condition, or in mitigating the consequences of an accident".

NUREG – 1482 "Guidelines for Inservice Testing at Nuclear Power Plants", Section 4.3.1 states the following:

> "The IST engineer may not have the documentation for the system design or development of the Section III overpressure analyses. However, if there are safety or relief valves that do not appear to perform a necessary safety or overpressure protection function, it may be possible to coordinate with a design engineering group for reanalyses. If the results of the overpressure protection "reanalysis" for a particular system indicate that a relief valve is not necessary, it may be removed from the scope of the IST program."

References

- ANSI/ASME OMa-1988, Part 10, "Inservice Testing of Valves in Light Water Reactor Power Plants"
- ANSI/ASME OM-1987, Part 1, "Requirements for Inservice Performance Testing of Nuclear Power Plant Pressure Relief Devices."
- NUREG 1482

Assumptions

None

Status

Final

Exelon IST Program Technical Position

Justification for Exception to Exercise Check Valves after Reassembly

Code Requirements

The governing Code for this issue is found in the ASME OMa Code –1996 Addenda to ASME OM Code-1995, "Code for Operation and Maintenance of Nuclear Power Plants, Section ISTC, "Rules for Inservice Testing of Light-Water Reactor Power Plants."

Subsection ISTC, "Inservice Testing of Valves in Light-Water Reactor Power Plants," para. ISTC 6.2, "Test Plans," subpara. (e) requires documenting for check valves, "...justification for not performing an exercise test to at least a partially open position after reassembly or periodic exercising in accordance with para. ISTC 4.5.2;"

Subsection ISTC, "Inservice Testing of Valves in Light-Water Reactor Power Plants," para.ISTC4.5.4 subpara. (c)(4) states, "Before return to service, valves that were disassembled for examination or that received maintenance that could affect their performance, shall be exercised if practicable (see nonmandatory Appendix J, Check Valve Testing Following Valve Reassembly)".

Discussion of Code Requirement

Performing a partial open exercise after reassembly provides some assurance of the functionality of the check valve and that it has been installed in the proper flow direction.

Position

There are numerous measures in place to assure that check valves are maintained properly and installed in the proper orientation and flow direction. As such there is justification to not exercise the check valves after reassembly.

Justification

The following justifications demonstrate that exercising check valves after reassembly is unnecessary.

Match Marking: Match marking is the maintenance activity where the component (such as a check valve) and adjoining pipe section are marked adjacently. When the component is reinstalled it is done so the match marks align. This assures the component was reinstalled in the proper orientation/flow direction as when it was removed. The Nuclear Generation Group Maintenance Standards under "Expectations," regarding the execution of work states that parts should be match marked prior to disassembly to ensure

proper orientation upon reassembly. Periodically a "Scorecard," which is a checklist used for supervisory oversight to assure proper maintenance practices, is performed. The Scorecard has an item requiring assessment that components have been match marked prior to disassembly to help ensure proper reassembly. During practical exercises in the training of maintenance workers they are assessed to assure that they follow match-marking practices where appropriate.

Procedures/Work Instructions: There are detailed procedures and work instructions to address that check valve maintenance, reassembly, and reinstallation is properly conducted.

Maintenance Oversight: Maintenance First Line Supervisors are expected to provide adequate oversight to assure the work is properly conducted

Quality Assurance Program: A 10 CFR 50 Appendix B, Quality Assurance Program, is utilized at the stations to assure those quality standards are maintained.

Foreign Material Exclusion: A rigorous Foreign Material Exclusion program exists to assure no adverse impact to systems and components due to such intrusions. Keeping foreign material out of check valves assures they will not have their stroking or closure adversely impacted by those materials.

Training: Maintenance personnel are properly trained to assure they have the proper skills and follow procedures and instructions in working on plant components.

Condition Reports: Problems and concerns including those in the maintenance area are captured with Condition Reports. These are part of the corrective actions program to address such concerns.

Engineering Inspections: Engineering inspections are frequently performed to procedures and checklists to assure proper check valve maintenance and function. In addition to numerous checks to assess the material condition and functionality of the check valve, part of the Engineering inspection is to assess "as-found" and "as-left" manual full stroke capability.

Oversight Activities: Oversight activities by Quality Control, Nuclear Oversight, and other oversight organizations periodically review maintenance activities. This process helps assure the maintenance program is adequately functioning.

Applicability

This Technical Position applies to all MWROG nuclear power plants except Clinton Station.

Conclusion

There are adequate measures in place to justify that partially open testing check valves after reassembly need not be performed.

Assumptions

None

Status

Final

ATTACHMENT 13

INSERVICE TESTING PUMP TABLE INDEX

(Page 1 of 1)

System Number	System Description
10	Residual Heat Removal
11	Standby Liquid Control
13	Reactor Core Isolation Coolant
14	Core Spray
23	High Pressure Coolant Injection
29	Safe Shutdown Makeup
39	Diesel Generator Cooling Water
52	Diesel Generator Fuel Oil Transfer

ATTACHMENT 14

INSERVICE TESTING PUMP TABLE

Residual Heat Removal (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.	Notes
1-1001-65A	3	C	Motor		M-0037	D-2	Differential Pressure	M3				
							Vibration	M3				
Pump Name U1A Residual Heat Removal Service Water												
1-1001-65B	3	C	Motor		M-0037	F-2	Differential Pressure	M3				
							Vibration	M3				
Pump Name U1B Residual Heat Removal Service Water												
1-1001-65C	3	C	Motor		M-0037	D-9	Differential Pressure	M3				
							Vibration	M3				
Pump Name U1C Residual Heat Removal Service Water												
1-1001-65D	3	C	Motor		M-0037	D-9	Differential Pressure	M3				
							Vibration	M3				
Pump Name U1D Residual Heat Removal Service Water												
1-1002A	2	C	Motor	N/A	M-0039-2	C-4	Differential Pressure	M3				
							Flow Rate	M3				
							Vibration	M3			TP-00D	
Pump Name U1A Residual Heat Removal												
1-1002B	2	C	Motor	N/A	M-0039-2	F-4	Differential Pressure	M3				
							Flow Rate	M3				
							Vibration	M3			TP-00D	
Pump Name U1B Residual Heat Removal												
1-1002C	2	C	Motor	N/A	M-0039-2	C-7	Differential Pressure	M3				
							Flow Rate	M3				
							Vibration	M3			TP-00D	
Pump Name U1C Residual Heat Removal												
1-1002D	2	C	Motor	N/A	M-0039-2	F-7	Differential Pressure	M3				
							Flow Rate	M3				
							Static Head	M3			TP-00D	
							Vibration	M3			TP-00D	
Pump Name U1D Residual Heat Removal												
2-1001-65A	3	C	Motor		M-0079	D-2	Differential Pressure	M3				
							Vibration	M3				
Pump Name U2A Residual Heat Removal Service Water												

Residual Heat Removal (Page 2)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.	Notes
2-1001-65B	3	C	Motor		M-0079	F-2	Differential Pressure	M3				
							Flow Rate	M3				
							Vibration	M3				
			Pump Name U2B Residual Heat Removal Service Water									
2-1001-65C	3	C	Motor		M-0079	D-9	Differential Pressure	M3				
							Flow Rate	M3				
							Vibration	M3				
			Pump Name U2C Residual Heat Removal Service Water									
2-1001-65D	3	C	Motor		M-0079	F-9	Differential Pressure	M3				
							Flow Rate	M3				
							Vibration	M3				
			Pump Name U2D Residual Heat Removal Service Water									
2-1002A	2	C	Motor	N/A	M-0081-2	C-4	Differential Pressure	M3				
							Flow Rate	M3				
							Vibration	M3			TP-00D	
			Pump Name U2A Residual Heat Removal									
2-1002B	2	C	Motor	N/A	M-0081-2	F-4	Differential Pressure	M3			TP-00D	
							Flow Rate	M3				
							Vibration	M3			TP-00D	
			Pump Name U2B Residual Heat Removal									
2-1002C	2	C	Motor	N/A	M-0081-2	C-7	Differential Pressure	M3				
							Flow Rate	M3				
							Vibration	M3			TP-00D	
			Pump Name U2C Residual Heat Removal									
2-1002D	2	C	Motor	N/A	M-0081-2	F-7	Differential Pressure	M3				
							Flow Rate	M3				
							Vibration	M3			TP-00D	
			Pump Name U2D Residual Heat Removal									

Standby Liquid Control (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.	Notes
1-1102A	2	PD	MOTOR	N/A	M-0040	D-6	Discharge Pressure	M3				
							Flow Rate	M3				
							Vibration	M3				
			Pump Name U1A Standby Liquid Control									
1-1102B	2	PD	MOTOR	N/A	M-0040	E-6	Discharge Pressure	M3				
							Flow Rate	M3				
							Vibration	M3				
			Pump Name U1B Standby Liquid Control									
2-1102A	2	PD	MOTOR	N/A	M-0082	D-6	Discharge Pressure	M3				
							Flow Rate	M3				
							Vibration	M3				
			Pump Name U2A Standby Liquid Control									
2-1102B	2	PD	MOTOR	N/A	M-0082	F-6	Discharge Pressure	M3				
							Flow Rate	M3				
							Vibration	M3				
			Pump Name U2B Standby Liquid Control									

Reactor Core Isolation Cooling (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.	Notes
1-1302	N	C	Turbine		M-0050	B-6	Differential Pressure	M3				
							Vibration	M3				
			Pump Name U1 Reactor Core Isolation Cooling									
2-1302	N	C	Turbine		M-0089	B-6	Differential Pressure	M3				
							Vibration	M3				
			Pump Name U2 Reactor Core Isolation Cooling									

Core Spray (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.	Notes
1-1401A	2	C	MOTOR	N/A	M-0036	E-9	Differential Pressure	M3			TP-00D	
							Flow Rate	M3			TP-00D	
							Vibration	M3			TP-00D	
			Pump Name U1A CORE SPRAY PUMP									
1-1401B	2	C	MOTOR	N/A	M-0036	E-6	Differential Pressure	M3			TP-00D	
							Flow Rate	M3			TP-00D	
							Vibration	M3			TP-00D	
			Pump Name U1B CORE SPRAY PUMP									
1-1402-057	2	C	MOTOR	N/A	M-0036	F-7	Differential Pressure	M3	RP-14A			
							Flow Rate	M3	RP-14A			
							Vibration	M3	RP-14A			
			Pump Name ECCS KEEP FILL PUMP									
2-1401A	2	C	MOTOR	N/A	M-0078	E-9	Differential Pressure	M3			TP-00D	
							Vibration	M3			TP-00D	
			Pump Name U2A CORE SPRAY PUMP									
2-1401B	2	C	MOTOR	N/A	M-0078	E-6	Differential Pressure	M3			TP-00D	
							Flow Rate	M3			TP-00D	
							Vibration	M3			TP-00D	
			Pump Name U2B CORE SPRAY PUMP									
2-1402-057	2	C	MOTOR	N/A	M-0078	F-7	Differential Pressure	M3	RP-14A			
							Flow Rate	M3	RP-14A			
							Vibration	M3	RP-14A			
			Pump Name ECCS KEEP FILL PUMP									

High Pressure Coolant Injection (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.	Notes
1-2302	2	C	TURBINE	YES	M-0046-1	B-5	Differential Pressure	M3				
							Vibration	M3				
Pump Name U1 High Pressure Coolant Injection												
1-2304	2	C	MOTOR	N/A	M-0046-1	E-2	Differential Pressure	M3			TP-00E	
							Flow Rate	M3			TP-00E	
							Vibration	M3			TP-00E	
Pump Name U1 HPCI Turbine Gland Seal Condensate Pump												
1-2308	NS	VLS	MOTOR	NA	M-0046-3	A-3	Discharge Pressure	M3			TP-00E	
							Vibration	M3			TP-00E	
Pump Name U1 HPCI Auxiliary Oil												
1-2312	NC	PD	TURB	N/A	M-0046-3	C-6	Differential Pressure	M3			TP-00E	
							Flow Rate	M3			TP-00E	
							Vibration	M3			TP-00E	
Pump Name HPCI TURBINE MAIN OIL PUMP												
2-2302	2	C	TURBINE	YES	M-0087-1	B-5	Differential Pressure	M3				
							Vibration	M3				
Pump Name U2 High Pressure Coolant Injection												
2-2304	2	C	MOTOR	N/A	M-0087-1	E-2	Differential Pressure	M3			TP-00E	
							Flow Rate	M3			TP-00E	
							Vibration	M3			TP-00E	
Pump Name U2 HPCI Turbine Gland Seal Condensate Pump												
2-2308	NS	VLS	MOTOR	NA	M-0087-3	A-3	Discharge Pressure	M3			TP-00E	
							Vibration	M3			TP-00E	
Pump Name U2 HPCI Auxiliary Oil												
2-2312	NC	PD	TURB	N/A	M-0087-3	C-6	Differential Pressure	M3			TP-00E	
							Flow Rate	M3			TP-00E	
							Vibration	M3			TP-00E	
Pump Name HPCI TURBINE MAIN OIL PUMP												

Safe Shutdown Makeup (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.	Notes
0-2901	NS	C	MOTOR	3550 rpm	M-0070	E-6	Differential Pressure	M3				
							Vibration	M3				

Pump Name U0 SAFE SHUTDOWN MAKE-UP PUMP

Diesel Generator Cooling Water (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.	Notes
0-3903	3	C	MOTOR	NA	M-0022-3	C-8	Differential Pressure	M3				
							Vibration	M3				
		Pump Name U0 Diesel Generator Cooling Water										
1-3903	3	C	MOTOR	NA	M-0022-3	F-8	Differential Pressure	M3				
							Vibration	M3				
		Pump Name U1 Diesel Generator Cooling Water										
2-3903	3	C	MOTOR	NA	M-0069-3	F-9	Differential Pressure	M3				
							Vibration	M3				
		Pump Name U2 Diesel Generator Cooling Water										

Diesel Generator Fuel Oil Transfer (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.	Notes
0-5203	NC	PD	MOTOR	N/A	M-0029-2	F-5	Discharge Pressure	M3				
							Flow Rate	M3				
							Vibration	M3				
Pump Name U0 Diesel Generator Fuel Oil Transfer												
1-5203	NC	PD	MOTOR	N/A	M-0029-2	F-2	Discharge Pressure	M3				
							Flow Rate	M3				
							Vibration	M3				
Pump Name U1 Diesel Generator Fuel Oil Transfer												
2-5203	NC	PD	MOTOR	N/A	M-0029-2	D-9	Discharge Pressure	M3				
							Flow Rate	M3				
							Vibration	M3				
Pump Name U2 Diesel Generator Fuel Oil Transfer												

ATTACHMENT 15

INSERVICE TESTING VALVE TABLE INDEX

(Page 1 of 1)

System Number	System Description
02	Nuclear Boiler and Reactor Recirculation
02	Main Steam
02	Reactor Feedwater
03	Control Rod Drive
07	Transversing In-Core Probe
10	Residual Heat Removal
11	Standby Liquid Control
12	Reactor Water Cleanup
13	Reactor Core Isolation Coolant
14	Core Spray
16	Pressure Suppression
20	Reactor Building Equipment Drains
23	High Pressure Coolant Injection
24	Containment Atmosphere Monitoring
25	Atmosphere Containment Atmosphere Dilution
29	Safe Shutdown Makeup
37	Reactor Building Closed Cooling Water
39	Diesel Generator Cooling Water
41	Fire Protection
43	Clean Demineralized Water
46	Service Air
46	Diesel Generator Starting Air
47	Instrument Air
52	Diesel Generator Fuel Oil Transfer
57	Control Room Ventilation
75	Standby Gas Treatment
88	Process Sampling
89	High Radiation Sampling

ATTACHMENT 16

INSERVICE TESTING VALVE TABLE

Nuclear Boiler and Reactor Recirculation (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0202-005A-MO	1	B	28	GA	MO	A	O	C	M-0035-2	C-4	PI	Y2			
											SC	CS		CS-02A	
Valve Name RX RECIRC-1A RECIRC PUMP DISCHARGE VALVE															
1-0202-005B-MO	1	B	28	GA	MO	A	O	C	M-0035-2	C-7	PI	Y2			
											SC	CS		CS-02A	
Valve Name RX RECIRC-1B RECIRC PUMP DISCHARGE VALVE															
1-0202-006A-MO	1	B	22	GA	MO	P	C	C	M-0035-2	D-5	PI	Y2			
Valve Name RX RECIRC-1A RECIRC LOOP CROSS-TIE															
1-0202-006B-MO	1	B	22	GA	MO	P	C	C	M-0035-2	D-6	PI	Y2			
Valve Name RX RECIRC-1B RECIRC LOOP CROSS-TIE															
1-0202-009A-MO	1	B	2	GA	MO	A	O	C	M-0035-2	D-5	PI	Y2			
											SC	CS		CS-02A	
Valve Name RX RECIRC-1A RECIRC LOOP CROSSTIE BYPASS															
1-0202-009B-MO	1	B	2	GA	MO	P	C	C	M-0035-2	D-6	PI	Y2			
Valve Name RX RECIRC-1B RECIRC LOOP CROSSTIE BYPASS															
1-0220-019A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	F-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,DPT-261-5A LOW SIDE EXC FLOW															
1-0220-019B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	F-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,DPT-261-5B LOW SIDE EXC FLOW															
1-0220-020A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	F-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,DPT-261-5A HI SIDE EXC FLOW															
1-0220-020B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	F-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,DPT-261-5B HI SIDE EXC FLOW															
1-0220-021A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	B-2	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,FT-261-6A LOW SIDE EXC FLOW															
1-0220-021B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	C-10	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,FT-261-6C LOW SIDE EXC FLOW															

Nuclear Boiler and Reactor Recirculation (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0220-022A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	C-2	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,FT-261-6A HIGH SIDE EXC FLOW															
1-0220-022B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	C-10	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,FT-261-6C HIGH SIDE EXC FLOW															
1-0220-044-AO	1	A	0.75	GL	AO	A	O	C	M-0035-2	B-8	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
Valve Name RX RECIRC-RX WATER SAMPLE LINE ISOLATION															
1-0220-045-AO	1	A	0.75	GL	AO	A	O	C	M-0035-2	B-10	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
Valve Name RX RECIRC-RX WATER SAMPLE LINE ISOLATION															
1-0220-046-AO	1	B	0.75	DIA	AO	P	C	C	M-0035-1	B-6	PI	Y2			
Valve Name RX RECIRC-RPV HEAD HIGH POINT VENT															
1-0220-047-AO	1	B	0.75	DIA	AO	P	C	C	M-0035-1	B-5	PI	Y2			
Valve Name RX RECIRC-RPV HEAD HIGH POINT VENT															
1-0220-054	NC	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	B-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX PS-261-20 & PI-261-21 EXCESS FLOW															
1-0220-067A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	A-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP,DPIS-261-34A A EXCESS FLOW															
1-0220-067B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	A-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP,DPIS-261-34A B EXCESS FLOW															
1-0220-067C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	A-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP,DPIS-261-34C A EXCESS FLOW															

Nuclear Boiler and Reactor Recirculation (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0220-067D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	A-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name RECIRC LOOP,DPIS-261-34C B EXCESS FLOW											
1-0220-067E	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	A-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name RECIRC LOOP,DPIS-261-34B A EXCESS FLOW											
1-0220-067F	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	A-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name RECIRC LOOP,DPIS-261-34B B EXCESS FLOW											
1-0220-067G	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	A-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name RECIRC LOOP,DPIS-261-34D A EXCESS FLOW											
1-0220-067H	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	A-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name RECIRC LOOP,DPIS-261-34D B EXCESS FLOW											
1-0220-089A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	A-9	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name RECIRC PUMP SUCTION, PS-261-23A EXC FLOW											
1-0220-089B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	A-9	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name RECIRC PUMP SUCTION, PS-261-23B EXC FLOW											
1-0262-2-005A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	F-2	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name RECIRC PUMP SEAL CAVITY 2 PI/PT EXC FLOW											
1-0262-2-005B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	F-9	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name RECIRC PUMP SEAL CAVITY 2 PI/PT EXC FLOW											
1-0262-2-006A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	F-2	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name RECIRC PUMP SEAL CAVITY 1 PI/PT EXC FLOW											

Nuclear Boiler and Reactor Recirculation (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0262-2-006B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-2	F-9	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP SEAL CAVITY 1 PI/PT EXC FLOW															
1-0263-2-011	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	A-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-61 HIGH SIDE EXCESS FLOW															
1-0263-2-013A	1	A/C	1	XFC	SA	A	SYS	C	M-0035-1	C-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-57 HIGH SIDE EXCESS FLOW															
1-0263-2-013B	1	A/C	1	XFC	SA	A	SYS	C	M-0035-1	C-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-58 HIGH SIDE EXCESS FLOW															
1-0263-2-015A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	D-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-57 LOW SIDE EXCESS FLOW															
1-0263-2-015B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	D-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-58 LOW SIDE EXCESS FLOW															
1-0263-2-017A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	D-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-646A/LT-263-23A LOW SIDE EXC FLOW															
1-0263-2-017B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	D-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-646B/LT-263-23B LOW SIDE EXC FLOW															
1-0263-2-019A	1	A/C	1	XFC	SA	A	SYS	C	M-0035-1	D-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-646A/PT-647A HIGH SIDE EXCESS FLOW															
1-0263-2-019B	1	A/C	1	XFC	SA	A	SYS	C	M-0035-1	D-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-646B/PI-647B HIGH SIDE EXCESS FLOW															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0263-2-020A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	F-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-1,FT-263-63A HIGH SIDE EXC FLOW															
1-0263-2-020B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	F-3	CC	RR		RJ-00A	CTP98-02
											CO				CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-6,FT-263-63B HIGH SIDE EXC FLOW															
1-0263-2-020C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	F-7	CC	RR		RJ-00A	CTP98-02
											CO				CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-11,FT-263-63C HI SIDE EXC FLOW															
1-0263-2-020D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	F-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-16,FT-263-63D HI SIDE EXC FLOW															
1-0263-2-023A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	F-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-1,FT-263-63A LOW SIDE EXC FLOW															
1-0263-2-023B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-6,FT-263-63B LOW SIDE EXC FLOW															
1-0263-2-023C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	F-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-11,FT-263-63C LOW SIDE EXC FLOW															
1-0263-2-023D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-16,FT-263-63D LOW SIDE EXC FLOW															
1-0263-2-025	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	F-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX CORE PLATE DPT-263-62 LO SIDE EXC FLO															
1-0263-2-027	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	G-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX CORE PLATE DPT-263-62 HI SIDE EXC FLO															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0263-2-031B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-2,FT-263-64B LOW SIDE EXC FLOW															
1-0263-2-031C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-3,FT-263-64C LOW SIDE EXC FLOW															
1-0263-2-031D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-4,FT-263-64D LOW SIDE EXC FLOW															
1-0263-2-031E	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-5,FT-263-64E LOW SIDE EXC FLOW															
1-0263-2-031G	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-7,FT-263-64G LOW SIDE EXC FLOW															
1-0263-2-031H	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-8,FT-263-64H LOW SIDE EXC FLOW															
1-0263-2-031J	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-9,FT-263-64J LOW SIDE EXC FLOW															
1-0263-2-031K	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-10,FT-263-64K LOW SIDE EXC FLOW															
1-0263-2-031M	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-13,FT-263-64M LOW SIDE EXC FLOW															
1-0263-2-031N	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-13,FT-263-64N LOW SIDE EXC FLOW															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0263-2-031P	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-14,FT-263-64P LOW SIDE EXC FLOW															
1-0263-2-031R	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-15,FT-263-64R LOW SIDE EXC FLOW															
1-0263-2-031T	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-17,FT-263-64T LOW SIDE EXC FLOW															
1-0263-2-031U	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-18,FT-263-64U LOW SIDE EXC FLOW															
1-0263-2-031V	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-19,FT-263-64V LOW SIDE EXC FLOW															
1-0263-2-031W	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	E-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-20,FT-263-64W LOW SIDE EXC FLOW															
1-0263-2-033	1	A/C	0.5	XFC	SA	A	SYS	C	M-0035-1	F-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP JET PUMP FT LO SIDE EXC FLOW															
1-0263-2-042A	1	A/C	1	XFC	SA	A	SYS	C	M-0035-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-73A HIGH SIDE EXCESS FLOW															
1-0263-2-042B	1	A/C	1	XFC	SA	A	SYS	C	M-0035-1	E-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-73B HIGH SIDE EXCESS FLOW															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0263-944A	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0035-5	C-2	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	Y2		RJ-00B	TP-00G
											LT	AJ		RJ-00B	TP-00G
Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK															
1-0263-944B	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0035-5	C-8	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	AJ			TP-00G
											LT	Y2			TP-00G
Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK															
1-0263-945A	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0035-5	D-2	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	Y2			TP-00G
											LT	AJ			TP-00G
Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK															
1-0263-945B	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0035-5	D-8	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	AJ		RJ-00B	TP-00G
											LT	Y2		RJ-00B	TP-00G
Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK															
1-0263-947A	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0035-5	C-3	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	AJ		RJ-00B	TP-00G
											LT	Y2		RJ-00B	TP-00G
Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK															
1-0263-947B	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0035-5	C-9	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	AJ		RJ-00B	TP-00G
											LT	Y2		RJ-00B	TP-00G
Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK															
1-0263-948A	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0035-5	D-3	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	Y2			TP-00G
											LT	AJ			TP-00G
Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK															
1-0263-948B	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0035-5	D-9	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	Y2			TP-00G
											LT	AJ			TP-00G
Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0202-005A-MO	1	B	28	GA	MO	A	O	C	M-0077-2	C-4	PI	Y2			
											SC	CS		CS-02A	
Valve Name RX RECIRC-2A RECIRC PUMP DISCHARGE VALVE															
2-0202-005B-MO	1	B	28	GA	MO	A	O	C	M-0077-2	C-7	PI	Y2			
											SC	CS		CS-02A	
Valve Name RX RECIRC-2B RECIRC PUMP DISCHARGE VALVE															
2-0202-006A-MO	1	B	22	GA	MO	P	C	C	M-0077-2	D-5	PI	Y2			
Valve Name RX RECIRC-2A RECIRC LOOP CROSS-TIE															
2-0202-006B-MO	1	B	22	GA	MO	P	C	C	M-0077-2	D-6	PI	Y2			
Valve Name RX RECIRC-2B RECIRC LOOP CROSS-TIE															
2-0202-009A-MO	1	B	2	GA	MO	A	O	C	M-0077-2	D-5	PI	Y2			
											SC	CS		CS-02A	
Valve Name RX RECIRC-2A RECIRC LOOP CROSSTIE BYPASS															
2-0202-009B-MO	1	B	2	GA	MO	P	C	C	M-0077-2	D-6	PI	Y2			
Valve Name RX RECIRC-2B RECIRC LOOP CROSSTIE BYPASS															
2-0220-019A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	F-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,DPT-261-5A LOW SIDE EXC FLOW															
2-0220-019B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	F-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,DPT-261-5B LOW SIDE EXC FLOW															
2-0220-020A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	F-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,DPT-261-5A HI SIDE EXC FLOW															
2-0220-020B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	F-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,DPT-261-5B HI SIDE EXC FLOW															
2-0220-021A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	B-1	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,FT-261-6A LOW SIDE EXC FLOW															
2-0220-021B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	C-10	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,FT-261-6C LOW SIDE EXC FLOW															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0220-022A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	B-1	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,FT-261-6A HI SIDE EXC FLOW															
2-0220-022B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	C-10	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP,FT-261-6C HI SIDE EXC FLOW															
2-0220-044-AO	1	A	0.75	GL	AO	A	O	C	M-0077-2	B-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
Valve Name RX RECIRC-RX WATER SAMPLE LINE ISOLATION															
2-0220-045-AO	1	A	0.75	GL	AO	A	O	C	M-0077-2	A-1	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
Valve Name RX RECIRC-RX WATER SAMPLE LINE ISOLATION															
2-0220-046-AO	1	B	0.75	DIA	AO	P	C	C	M-0077-1	B-6	PI	Y2			
Valve Name RX RECIRC-RPV HEAD HIGH POINT VENT															
2-0220-047-AO	1	B	0.75	DIA	AO	P	C	C	M-0077-1	B-5	PI	Y2			
Valve Name RX RECIRC-RPV HEAD HIGH POINT VENT															
2-0220-054	NC	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	B-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX PS-261-20 & PI-261-21 EXCESS FLOW															
2-0220-067A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	A-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP,DPIS-261-34A A EXCESS FLOW															
2-0220-067B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	A-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP,DPIS-261-34A B EXCESS FLOW															
2-0220-067C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	A-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP,DPIS-261-34C A EXCESS FLOW															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0220-067D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	A-4	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP,DPIS-261-34C B EXCESS FLOW															
2-0220-067E	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	A-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP,DPIS-261-34B A EXCESS FLOW															
2-0220-067F	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	A-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP,DPIS-261-34B B EXCESS FLOW															
2-0220-067G	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	A-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP,DPIS-261-34D A EXCESS FLOW															
2-0220-067H	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	A-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC LOOP,DPIS-261-34D B EXCESS FLOW															
2-0220-089A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	A-9	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP SUCTION, PS-261-23A EXC FLOW															
2-0220-089B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	A-9	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP SUCTION, PS-261-23B EXC FLOW															
2-0262-2-005A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	F-2	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP SEAL CAVITY 2 PI/PT EXC FLOW															
2-0262-2-005B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	F-9	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP SEAL CAVITY 2 PI/PT EXC FLOW															
2-0262-2-006A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	F-2	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP SEAL CAVITY 1 PI/PT EXC FLOW															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0262-2-006B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-2	F-9	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RECIRC PUMP SEAL CAVITY 1 PI/PT EXC FLOW															
2-0263-2-011	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	A-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-61 HIGH SIDE EXCESS FLOW															
2-0263-2-013A	1	A/C	1	XFC	SA	A	SYS	C	M-0077-1	D-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-57 HIGH SIDE EXCESS FLOW															
2-0263-2-013B	1	A/C	1	XFC	SA	A	SYS	C	M-0077-1	D-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-58 HIGH SIDE EXCESS FLOW															
2-0263-2-015A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	D-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-57 LOW SIDE EXCESS FLOW															
2-0263-2-015B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	D-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-1-263-58 LOW SIDE EXCESS FLOW															
2-0263-2-017A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	D-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-646A/LT-263-23A LOW SIDE EXC FLOW															
2-0263-2-017B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	D-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-646B/LT-263-23B LOW SIDE EXC FLOW															
2-0263-2-019A	1	A/C	1	XFC	SA	A	SYS	C	M-0077-1	D-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-646A/PT-647A HIGH SIDE EXCESS FLOW															
2-0263-2-019B	1	A/C	1	XFC	SA	A	SYS	C	M-0077-1	D-7	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX LT-646B/PT-647B HIGH SIDE EXCESS FLOW															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0263-2-020A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	F-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-1,FT-263-63A HIGH SIDE EXC FLOW															
2-0263-2-020B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	F-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-6,FT-263-63B HIGH SIDE EXC FLOW															
2-0263-2-020C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	F-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-11,FT-263-63C HI SIDE EXC FLOW															
2-0263-2-020D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	F-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-16,FT-263-63D HI SIDE EXC FLOW															
2-0263-2-023A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	F-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-1,FT-263-63A LOW SIDE EXC FLOW															
2-0263-2-023B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-6,FT-263-63B LOW SIDE EXC FLOW															
2-0263-2-023C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	F-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-11,FT-263-63C LOW SIDE EXC FLOW															
2-0263-2-023D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-16,FT-263-63D LOW SIDE EXC FLOW															
2-0263-2-025	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	G-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX CORE PLATE DPT-263-62 LO SIDE EXC FLO															
2-0263-2-027	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	G-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name RX CORE PLATE DPT-263-62 HI SIDE EXC FLO															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0263-2-031B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-2,FT-263-64B LOW SIDE EXC FLOW															
2-0263-2-031C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-3,FT-263-64C LOW SIDE EXC FLOW															
2-0263-2-031D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-4,FT-263-64D LOW SIDE EXC FLOW															
2-0263-2-031E	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-5,FT-263-64E LOW SIDE EXC FLOW															
2-0263-2-031G	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-7,FT-263-64G LOW SIDE EXC FLOW															
2-0263-2-031H	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-8,FT-263-64H LOW SIDE EXC FLOW															
2-0263-2-031J	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-9,FT-263-64J LOW SIDE EXC FLOW															
2-0263-2-031K	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-10,FT-263-64K LOW SIDE EXC FLOW															
2-0263-2-031M	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-13,FT-263-64M LOW SIDE EXC FLOW															
2-0263-2-031N	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name JET PUMP-13,FT-263-64N LOW SIDE EXC FLOW															

Nuclear Boiler and Reactor Recirculation (Page 15)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0263-2-031P	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
			Valve Name JET PUMP-14,FT-263-64P LOW SIDE EXC FLOW												
2-0263-2-031R	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
			Valve Name JET PUMP-15,FT-263-64R LOW SIDE EXC FLOW												
2-0263-2-031T	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
			Valve Name JET PUMP-17,FT-263-64T LOW SIDE EXC FLOW												
2-0263-2-031U	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
			Valve Name JET PUMP-18,FT-263-64U LOW SIDE EXC FLOW												
2-0263-2-031V	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
			Valve Name JET PUMP-19,FT-263-64V LOW SIDE EXC FLOW												
2-0263-2-031W	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	E-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
			Valve Name JET PUMP-20,FT-263-64W LOW SIDE EXC FLOW												
2-0263-2-033	1	A/C	0.5	XFC	SA	A	SYS	C	M-0077-1	G-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
			Valve Name RECIRC LOOP JET PUMP FT LO SIDE EXC FLOW												
2-0263-2-042A	1	A/C	1	XFC	SA	A	SYS	C	M-0077-1	E-3	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
			Valve Name RX LT-1-263-73A HIGH SIDE EXCESS FLOW												
2-0263-2-042B	1	A/C	1	XFC	SA	A	SYS	C	M-0077-1	E-6	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
			Valve Name RX LT-1-263-73B HIGH SIDE EXCESS FLOW												

Nuclear Boiler and Reactor Recirculation (Page 16)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0263-944A	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0077-5	D-3	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	AJ		RJ-00B	TP-00G
											LT	Y2		RJ-00B	TP-00G
			Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK												
2-0263-944B	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0077-5	D-7	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	Y2		RJ-00B	TP-00G
											LT	AJ		RJ-00B	TP-00G
			Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK												
2-0263-945A	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0077-5	D-3	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	Y2			TP-00G
											LT	AJ			TP-00G
			Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK												
2-0263-945B	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0077-5	D-7	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	Y2			TP-00G
											LT	AJ			TP-00G
			Valve Name RX VESSEL LEVEL INDICAITON FORCE FILL CK												
2-0263-947A	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0077-5	D-3	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	Y2		RJ-00B	TP-00G
											LT	AJ		RJ-00B	TP-00G
			Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK												
2-0263-947B	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0077-5	D-6	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	Y2			TP-00G
											LT	AJ			TP-00G
			Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK												
2-0263-948A	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0077-5	D-3	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	AJ			TP-00G
											LT	Y2			TP-00G
			Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK												
2-0263-948B	1	A/C	0.375	CK	SA	A	SYS	O/C	M-0077-5	D-6	CC	RR		RJ-00B	TP-00G
											CO	M3			
											LT	AJ		RJ-00B	TP-00G
											LT	Y2		RJ-00B	TP-00G
			Valve Name RX VESSEL LEVEL INDICATION FORCE FILL CK												

Main Steam (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0203-001A-AO	1	A	20	GL	AO	A	O	C	M-0013-1	B-7	FC	RR		RJ-30C	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 1A INBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
1-0203-001A-AP	NC	B	0.5	PLT	AO	A	C	O	M-0013-1	A-9	FO	RR		RJ-30C	
											SO	RR		RJ-30C	
Valve Name 1A MSIV ACTUATOR 2-WAY AIR PILOT															
1-0203-001A-AP	NC	B	1.5	PLT	AO	A	O	C	M-0013-1	A-9	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 1A MSIV ACTUATOR 4-WAY AIR PILOT															
1-0203-001A-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1A MSIV ACTUATOR 3-WAY AC CONTROL SOL															
1-0203-001A-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1A MSIV ACTUATOR 3-WAY DC CONTROL SOL															
1-0203-001AD	NC	A/C	1	CK	SA	A	SYS	C	M-0013-1	F-3	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 1A MSIV ACCUMULATOR CHECK VALVE															
1-0203-001B-AO	1	A	20	GL	AO	A	O	C	M-0013-1	C-7	FC	RR		RJ-30C	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 1B INBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
1-0203-001B-AP	NC	B	0.5	PLT	AO	A	C	O	M-0013-1	A-9	FO	RR		RJ-30C	
											SO	RR		RJ-30C	
Valve Name 1B MSIV ACTUATOR 2-WAY AIR PILOT															
1-0203-001B-AP	NC	B	1.5	PLT	AO	A	O	C	M-0013-1	A-9	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 1B MSIV ACTUATOR 4-WAY AIR PILOT															
1-0203-001B-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1B MSIV ACTUATOR 3-WAY AC CONTROL SOL															
1-0203-001B-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1B MSIV ACTUATOR 3-WAY DC CONTROL SOL															

Main Steam (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0203-001BD	NC	A/C	1	CK	SA	A	SYS	C	M-0013-1	A-10	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 1B MSIV ACCUMULATOR CHECK VALVE															
1-0203-001C-AO	1	A	20	GL	AO	A	O	C	M-0013-1	E-7	FC	RR		RJ-30C	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 1C INBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
1-0203-001C-AP	NC	B	0.5	PLT	AO	A	C	O	M-0013-1	A-9	FO	RR		RJ-30C	
											SO	RR		RJ-30C	
Valve Name 1B MSIV ACTUATOR 2-WAY AIR PILOT															
1-0203-001C-AP	NC	B	1.5	PLT	AO	A	O	C	M-0013-1	A-9	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 1C MSIV ACTUATOR 4-WAY AIR PILOT															
1-0203-001C-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1C MSIV ACTUATOR 3-WAY AC CONTROL SOL															
1-0203-001C-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1C MSIV ACTUATOR 3-WAY DC CONTROL SOL															
1-0203-001CD	NC	A/C	1	CK	SA	A	SYS	C	M-0013-1	A-10	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 1C MSIV ACCUMULATOR CHECK VALVE															
1-0203-001D-AO	1	A	20	GL	AO	A	O	C	M-0013-1	F-7	FC	RR		RJ-30C	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 1D INBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
1-0203-001D-AP	NC	B	0.5	PLT	AO	A	C	O	M-0013-1	A-9	FO	RR		RJ-30C	
											SO	RR		RJ-30C	
Valve Name 1D MSIV ACTUATOR 2-WAY AIR PILOT															
1-0203-001D-AP	NC	B	1.5	PLT	AO	A	O	C	M-0013-1	A-9	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 1D MSIV ACTUATOR 4-WAY AIR PILOT															
1-0203-001D-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1D MSIV ACTUATOR 3-WAY AC CONTROL SOL															

Main Steam (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0203-001D-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1D MSIV ACTUATOR 3-WAY DC CONTROL SOL															
1-0203-001DD	NC	A/C	1	CK	SA	A	SYS	C	M-0013-1	A-10	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 1D MSIV ACCUMULATOR CHECK VALVE															
1-0203-002A-AO	1	A	20	GL	AO	A	O	C	M-0013-2	A-1	FC	CS		CS-30A	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 2A OUTBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
1-0203-002A-AP	NC	B	0.5	PLT	AO	A	C	O	M-0013-2	F-2	FO	CS		CS-30A	
											SO	CS		CS-30A	
Valve Name 2A MSIV ACTUATOR 2-WAY AIR PILOT															
1-0203-002A-AP	NC	B	1.5	PLT	AO	A	O	C	M-0013-2	F-1	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 2A MSIV ACTUATOR 4-WAY AIR PILOT															
1-0203-002A-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-2	F-2	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2A MSIV ACTUATOR 3-WAY AC CONTROL SOL															
1-0203-002A-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-2	F-1	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2A MSIV ACTUATOR 3-WAY DC CONTROL SOL															
1-0203-002AC	NC	A/C	1	CK	SA	A	SYS	C	M-0013-2	F-1	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 2A MSIV ACCUMULATOR CHECK VALVE															
1-0203-002B-AO	1	A	20	GL	AO	A	O	C	M-0013-2	B-1	FC	CS		CS-30A	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 2B OUTBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
1-0203-002B-AP	NC	B	0.5	PLT	AO	A	C	O	M-0013-2	F-2	FO	CS		CS-30A	
											SO	CS		CS-30A	
Valve Name 2B MSIV ACTUATOR 2-WAY AIR PILOT															
1-0203-002B-AP	NC	B	1.5	PLT	AO	A	O	C	M-0013-2	F-1	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 2B MSIV ACTUATOR 4-WAY AIR PILOT															

Main Steam (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0203-002B-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-2	F-2	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2B MSIV ACTUATOR 3-WAY AC CONTROL SOL															
1-0203-002B-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-2	F-1	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2B MSIV ACTUATOR 3-WAY DC CONTROL SOL															
1-0203-002BC	NC	A/C	1	CK	SA	A	SYS	C	M-0013-2	F-1	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 2B MSIV ACCUMULATOR CHECK VALVE															
1-0203-002C-AO	1	A	20	GL	AO	A	O	C	M-0013-2	D-1	FC	CS		CS-30A	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 2C OUTBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
1-0203-002C-AP	NC	B	0.5	PLT	AO	A	C	O	M-0013-2	F-1	FO	CS		CS-30A	
											SO	CS		CS-30A	
Valve Name 2C MSIV ACTUATOR 2-WAY AIR PILOT															
1-0203-002C-AP	NC	B	1.5	PLT	AO	A	O	C	M-0013-2	F-1	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 2C MSIV ACTUATOR 4-WAY AIR PILOT															
1-0203-002C-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-2	F-2	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2C MSIV ACTUATOR 3-WAY AC CONTROL SOL															
1-0203-002C-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-2	F-1	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2C MSIV ACTUATOR 3-WAY DC CONTROL SOL															
1-0203-002CC	NC	A/C	1	CK	SA	A	SYS	C	M-0013-2	F-1	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 2C MSIV ACCUMULATOR CHECK VALVE															
1-0203-002D-AO	1	A	20	GL	AO	A	O	C	M-0013-2	F-1	FC	CS		CS-30A	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 2D OUTBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
1-0203-002D-AP	NC	B	0.5	PLT	AO	A	C	O	M-0013-2	F-2	FO	CS		CS-30A	
											SO	CS		CS-30A	
Valve Name 2D MSIV ACTUATOR 2-WAY AIR PILOT															

Main Steam (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0203-002D-AP	NC	B	1.5	PLT	AO	A	O	C	M-0013-2	F-1	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 2D MSIV ACTUATOR 4-WAY AIR PILOT															
1-0203-002D-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-2	F-2	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2D MSIV ACTUATOR 3-WAY AC CONTROL SOL															
1-0203-002D-SO	NC	B	0.25	3W	SO	A	E	D	M-0013-2	F-1	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2D MSIV ACTUATOR 3-WAY DC CONTROL SOL															
1-0203-002DC	NC	A/C	1	CK	SA	A	SYS	C	M-0013-2	F-7	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 2D MSIV ACCUMULATOR CHECK VALVE															
1-0203-003A-RV	1	C	6.625	RV	DF	A	C	O/C	M-0013-1	A-2	PI	Y2			
											RT	Y5	RV-30B		TP-30A
Valve Name MS-3A SAFETY/RELIEF VLV (TARGET ROCK)															
1-0203-003AD	NC	A/C	0.5	CK	SA	A	SYS	C	M-0013-1	A-5	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name MS-3A SFTY/RLF VLV(TARGET ROCK)ACCUM CHK															
1-0203-003B-RV	1	C	6	RV	SO	A	C	O/C	M-0013-1	C-3	PI	Y2			
											RT	Y5			
Valve Name MS-3B ELECTROMATIC RELIEF VALVE															
1-0203-003C-RV	1	C	6	RV	SO	A	C	O/C	M-0013-1	D-2	PI	Y2			
											RT	Y5			
Valve Name MS-3C ELECTROMATIC RELIEF VALVE															
1-0203-003D-RV	1	C	6	RV	SO	A	C	O/C	M-0013-1	F-1	PI	Y2			
											RT	Y5			
Valve Name MS-3D ELECTROMATIC RELIEF VALVE															
1-0203-003E-RV	1	C	6	RV	SO	A	C	O/C	M-0013-1	C-1	PI	Y2			
											RT	Y5			
Valve Name MS-3E ELECTROMATIC RELIEF VALVE															
1-0203-004A-RV	1	C	6	RV	SA	A	C	O/C	M-0013-1	A-1	RT	Y5	RV-30B		TP-30A
Valve Name MS-4A SAFETY VALVE															
1-0203-004B-RV	1	C	6	RV	SA	A	C	O/C	M-0013-1	C-5	RT	Y5	RV-30B		TP-30A
Valve Name MS-4B SAFETY VALVE															
1-0203-004C-RV	1	C	6	RV	SA	A	C	O/C	M-0013-1	D-4	RT	Y5	RV-30B		TP-30A
Valve Name MS-4C SAFETY VALVE															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0203-004D-RV	1	C	6	RV	SA	A	C	O/C	M-0013-1	F-4	RT	Y5	RV-30B		TP-30A
Valve Name MS-4D SAFETY VALVE															
1-0203-004E-RV	1	C	6	RV	SA	A	C	O/C	M-0013-1	A-1	RT	Y5	RV-30B		TP-30A
Valve Name MS-4E SAFETY VALVE															
1-0203-004F-RV	1	C	6	RV	SA	A	C	O/C	M-0013-1	C-5	RT	Y5	RV-30B		TP-30A
Valve Name MS-4F SAFETY VALVE															
1-0203-004G-RV	1	C	6	RV	SA	A	C	O/C	M-0013-1	D-4	RT	Y5	RV-30B		TP-30A
Valve Name MS-4G SAFETY VALVE															
1-0203-004H-RV	1	C	6	RV	SA	A	C	O/C	M-0013-1	E-4	RT	Y5	RV-30B		TP-30A
Valve Name MS-4H SAFETY VALVE															
1-0220-001-MO	1	A	3	GA	MO	A	C	C	M-0013-1	D-7	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
Valve Name MS-INBRD MAIN STEAM LINE DRAIN ISOL VLV															
1-0220-002-MO	1	A	3	GA	MO	A	C	C	M-0013-2	C-1	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
Valve Name MS-OUTBRD MAIN STEAM LINE DRAIN ISOL VLV															
1-0220-017A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0013-1	B-8	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name 1A MAIN STM INST LINE EXCESS FLOW CK VLV															
1-0220-017B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0013-1	C-8	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name 1B MAIN STM INST LINE EXCESS FLOW CK VLV															
1-0220-017C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0013-1	E-8	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name 1C MAIN STM INST LINE EXCESS FLOW CK VLV															
1-0220-017D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0013-1	F-8	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name 1D MAIN STM INST LINE EXCESS FLOW CK VLV															
1-0220-018A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0013-1	B-8	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
Valve Name 1A MAIN STM INST LINE EXCESS FLOW CK VLV															

Main Steam (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0220-018B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0013-1	C-8	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name 1B MAIN STM INST LINE EXCESS FLOW CK VLV											
1-0220-018C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0013-1	E-8	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name 1C MAIN STM INST LINE EXCESS FLOW CK VLV											
1-0220-018D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0013-1	G-8	CC	RR		RJ-00A	CTP98-02
											CO	OP			CTP98-02
											LT	Y10			CTP98-02
				Valve Name 1D MAIN STM INST LINE EXCESS FLOW CK VLV											
1-0220-081A	NC	C	1	CK	SA	A	SYS	C	M-0013-1	A-4	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
				Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKERS											
1-0220-081B	NC	C	1	CK	SA	A	SYS	C	M-0013-1	C-4	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
				Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKERS											
1-0220-081C	NC	C	1	CK	SA	A	SYS	C	M-0013-1	D-3	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
				Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKERS											
1-0220-081D	NC	C	1	CK	SA	A	SYS	C	M-0013-1	F-3	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
				Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKERS											
1-0220-081E	NC	C	1	CK	SA	A	SYS	C	M-0013-1	C-3	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
				Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKERS											
1-0220-105A	NC	C	8	CK	SA	A	SYS	O/C	M-0013-1	A-4	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
				Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKERS											
1-0220-105B	NC	C	8	CK	SA	A	SYS	O/C	M-0013-1	C-5	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
				Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKERS											
1-0220-105C	NC	C	8	CK	SA	A	SYS	O/C	M-0013-1	D-3	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
				Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKERS											
1-0220-105D	NC	C	8	CK	SA	A	SYS	O/C	M-0013-1	F-3	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
				Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKERS											

Main Steam (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0220-105E	NC	C	8	CK	SA	A	SYS	O/C	M-0013-1	C-3	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKERS															
2-0203-001A-AO	1	A	20	GL	AO	A	O	C	M-0060-1	B-7	FC	RR		RJ-30C	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 1A INBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
2-0203-001A-AP	NC	B	0.5	PLT	AO	A	C	O	M-0060-1	A-9	FO	RR		RJ-30C	
											SO	RR		RJ-30C	
Valve Name 1A MSIV ACTUATOR 2-WAY AIR PILOT															
2-0203-001A-AP	NC	B	1.5	PLT	AO	A	O	C	M-0060-1	A-9	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 1A MSIV ACTUATOR 4-WAY AIR PILOT															
2-0203-001A-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1A MSIV ACTUATOR 3-WAY AC CONTROL SOL															
2-0203-001A-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1A MSIV ACTUATOR 3-WAY DC CONTROL SOL															
2-0203-001AD	NC	A/C	1	CK	SA	A	SYS	C	M-0060-1	A-10	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 1A MSIV ACCUMULATOR CHECK VALVE															
2-0203-001B-AO	1	A	20	GL	AO	A	O	C	M-0060-1	C-7	FC	RR		RJ-30C	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 1B INBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
2-0203-001B-AP	NC	B	0.5	PLT	AO	A	C	O	M-0060-1	A-8	FO	RR		RJ-30C	
											SO	RR		RJ-30C	
Valve Name 1B MSIV ACTUATOR 2-WAY AIR PILOT															
2-0203-001B-AP	NC	B	1.5	PLT	AO	A	O	C	M-0060-1	A-9	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 1B MSIV ACTUATOR 4-WAY AIR PILOT															
2-0203-001B-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1B MSIV ACTUATOR 3-WAY AC CONTROL SOL															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0203-001B-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1B MSIV ACTUATOR 3-WAY DC CONTROL SOL															
2-0203-001BD	NC	A/C	1	CK	SA	A	SYS	C	M-0060-1	A-10	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 1B MSIV ACCUMULATOR CHECK VALVE															
2-0203-001C-AO	1	A	20	GL	AO	A	O	C	M-0060-1	E-7	FC	RR		RJ-30C	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 1C INBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
2-0203-001C-AP	NC	B	0.5	PLT	AO	A	C	O	M-0060-1	A-9	FO	RR		RJ-30C	
											SO	RR		RJ-30C	
Valve Name 1C MSIV ACTUATOR 2-WAY AIR PILOT															
2-0203-001C-AP	NC	B	1.5	PLT	AO	A	O	C	M-0060-1	A-9	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 1C MSIV ACTUATOR 4-WAY AIR PILOT															
2-0203-001C-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1C MSIV ACTUATOR 3-WAY AC CONTROL SOL															
2-0203-001C-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 1C MSIV ACTUATOR 3-WAY DC CONTROL SOL															
2-0203-001CD	NC	A/C	1	CK	SA	A	SYS	C	M-0060-1	A-10	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 1C MSIV ACCUMULATOR CHECK VALVE															
2-0203-001D-AO	1	A	20	GL	AO	A	O	C	M-0060-1	F-7	FC	RR		RJ-30C	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 1C INBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
2-0203-001D-AP	NC	B	0.5	PLT	AO	A	C	O	M-0060-1	A-9	FO	RR		RJ-30C	
											SO	RR		RJ-30C	
Valve Name 1D MSIV ACTUATOR 2-WAY AIR PILOT															
2-0203-001D-AP	NC	B	1.5	PLT	AO	A	O	C	M-0060-1	A-9	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 1D MSIV ACTUATOR 4-WAY AIR PILOT															

Main Steam (Page 10)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0203-001D-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
			Valve Name 1D MSIV ACTUATOR 3-WAY AC CONTROL SOL												
2-0203-001D-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-1	A-9	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
			Valve Name 1D MSIV ACTUATOR 3-WAY DC CONTROL SOL												
2-0203-001DD	NC	A/C	1	CK	SA	A	SYS	C	M-0060-1	A-10	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
			Valve Name 1D MSIV ACCUMULATOR CHECK VALVE												
2-0203-002A-AO	1	A	20	GL	AO	A	O	C	M-0060-2	A-1	FC	CS		CS-30A	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
			Valve Name 2A OUTBOARD MAIN STEAM ISOLATION VALVE (MSIV)												
2-0203-002A-AP	NC	B	0.5	PLT	AO	A	C	O	M-0060-2	F-2	FO	CS		CS-30A	
											SO	CS		CS-30A	
			Valve Name 2A MSIV ACTUATOR 2-WAY AIR PILOT												
2-0203-002A-AP	NC	B	1.5	PLT	AO	A	O	C	M-0060-2	F-1	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
			Valve Name 2A MSIV ACTUATOR 4-WAY AIR PILOT												
2-0203-002A-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-2	F-2	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
			Valve Name 2A MSIV ACTUATOR 3-WAY AC CONTROL SOL												
2-0203-002A-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-2	F-1	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
			Valve Name 2A MSIV ACTUATOR 3-WAY DC CONTROL SOL												
2-0203-002AC	NC	A/C	1	CK	SA	A	SYS	C	M-0060-2	F-1	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
			Valve Name 2A MSIV ACCUMULATOR CHECK VALVE												
2-0203-002B-AO	1	A	20	GL	AO	A	O	C	M-0060-2	B-1	FC	CS		CS-30A	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
			Valve Name 2B OUTBOARD MAIN STEAM ISOLATION VALVE (MSIV)												
2-0203-002B-AP	NC	B	0.5	PLT	AO	A	C	O	M-0060-2	F-2	FO	CS		CS-30A	
											SO	CS		CS-30A	
			Valve Name 2B MSIV ACTUATOR 2-WAY AIR PILOT												

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0203-002B-AP	NC	B	1.5	PLT	AO	A	O	C	M-0060-2	F-1	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 2B MSIV ACTUATOR 4-WAY AIR PILOT															
2-0203-002B-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-2	F-2	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2B MSIV ACTUATOR 3-WAY AC CONTROL SOL															
2-0203-002B-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-2	F-1	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2B MSIV ACTUATOR 3-WAY DC CONTROL SOL															
2-0203-002BC	NC	A/C	1	CK	SA	A	SYS	C	M-0060-2	F-1	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 2B MSIV ACCUMULATOR CHECK VALVE															
2-0203-002C-AO	1	A	20	GL	AO	A	O	C	M-0060-2	D-1	FC	CS		CS-30A	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 2C OUTBOARD MAIN STEAM ISOLATION VALVE (MSIV)															
2-0203-002C-AP	NC	B	0.5	PLT	AO	A	C	O	M-0060-2	F-2	FO	CS		CS-30A	
											SO	CS		CS-30A	
Valve Name 2C MSIV ACTUATOR 2-WAY AIR PILOT															
2-0203-002C-AP	NC	B	1.5	PLT	AO	A	O	C	M-0060-2	F-1	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
Valve Name 2C MSIV ACTUATOR 4-WAY AIR PILOT															
2-0203-002C-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-2	F-2	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2C MSIV ACTUATOR 3-WAY AC CONTROL SOL															
2-0203-002C-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-2	F-1	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
Valve Name 2C MSIV ACTUATOR 3-WAY DC CONTROL SOL															
2-0203-002CC	NC	A/C	1	CK	SA	A	SYS	C	M-0060-2	F-1	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
Valve Name 2C MSIV ACCUMULATOR CHECK VALVE															
2-0203-002D-AO	1	A	20	GL	AO	A	O	C	M-0060-2	F-1	FC	CS		CS-30A	
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS	RV-30C	CS-30B	
Valve Name 2D OUTBOARD MAIN STEAM ISOLATION VALVE (MSIV)															

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0203-002D-AP	NC	B	0.5	PLT	AO	A	C	O	M-0060-2	F-2	FO	CS		CS-30A	
											SO	CS		CS-30A	
			Valve Name 2D MSIV ACTUATOR 2-WAY AIR PILOT												
2-0203-002D-AP	NC	B	1.5	PLT	AO	A	O	C	M-0060-2	F-1	FC	CS		CS-30B	TP-00C
											SC	CS		CS-30B	
			Valve Name 2D MSIV ACTUATOR 4-WAY AIR PILOT												
2-0203-002D-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-2	F-2	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
			Valve Name 2D MSIV ACTUATOR 3-WAY AC CONTROL SOL												
2-0203-002D-SO	NC	B	0.25	3W	SO	A	E	D	M-0060-2	F-1	FD	RR		RJ-30B	TP-00C
											SD	RR		RJ-30B	
			Valve Name 2D MSIV ACTUATOR 3-WAY DC CONTROL SOL												
2-0203-002DC	NC	A/C	1	CK	SA	A	SYS	C	M-0060-2	F-1	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
			Valve Name 2D MSIV ACCUMULATOR CHECK VALVE												
2-0203-003A-RV	1	C	6.625	RV	DF	A	C	O/C	M-0060-1	A-2	PI	Y2			
											RT	Y5	RV-30B		TP-30A
			Valve Name MS-3A SAFETY/RELIEF VLV (TARGET ROCK)												
2-0203-003AD	NC	A/C	0.5	CK	SA	A	SYS	C	M-0060-1	A-5	CC	RR		RJ-47A	
											CO	OP			CTP01-01
											LT	Y2			
			Valve Name IA-3A SFTY/RLF VLV(TARGET ROCK)ACCUM CHK												
2-0203-003B-RV	1	C	6	RV	SO	A	C	O/C	M-0060-1	B-4	PI	Y2			
											RT	Y5			
			Valve Name MS-3B POWER OPERATED RELIEF VALVE												
2-0203-003C-RV	1	C	6	RV	SO	A	C	O/C	M-0060-1	D-2	PI	Y2			
											RT	Y5			
			Valve Name MS-3C POWER OPERATED RELIEF VALVE												
2-0203-003D-RV	1	C	6	RV	SO	A	C	O/C	M-0060-1	F-3	PI	Y2			
											RT	Y5			
			Valve Name MS-3D POWER OPERATED RELIEF VALVE												
2-0203-003E-RV	1	C	6	RV	SO	A	C	O/C	M-0060-1	F-3	PI	Y2			
											RT	Y5			
			Valve Name MS-3E POWER OPERATED RELIEF VALVE												
2-0203-004A-RV	1	C	6	RV	SA	A	C	O/C	M-0060-1	A-1	RT	Y5	RV-30B		TP-30A
			Valve Name MS-4A SAFETY VALVE												
2-0203-004B-RV	1	C	6	RV	SA	A	C	O/C	M-0060-1	C-3	RT	Y5	RV-30B		TP-30A
			Valve Name MS-4B SAFETY VALVE												

Main Steam (Page 13)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0203-004C-RV	1	C	6	RV	SA	A	C	O/C	M-0060-1	D-4	RT	Y5	RV-30B		TP-30A
			Valve Name MS-4C SAFETY VALVE												
2-0203-004D-RV	1	C	6	RV	SA	A	C	O/C	M-0060-1	F-1	RT	Y5	RV-30B		TP-30A
			Valve Name MS-4D SAFETY VALVE												
2-0203-004E-RV	1	C	6	RV	SA	A	C	O/C	M-0060-1	A-1	RT	Y5	RV-30B		TP-30A
			Valve Name MS-4E SAFETY VALVE												
2-0203-004F-RV	1	C	6	RV	SA	A	C	O/C	M-0060-1	C-5	RT	Y5	RV-30B		TP-30A
			Valve Name MS-4F SAFETY VALVE												
2-0203-004G-RV	1	C	6	RV	SA	A	C	O/C	M-0060-1	D-4	RT	Y5	RV-30B		TP-30A
			Valve Name MS-4G SAFETY VALVE												
2-0203-004H-RV	1	C	6	RV	SA	A	C	O/C	M-0060-1	F-2	RT	Y5	RV-30B		TP-30A
			Valve Name MS-4H SAFETY VALVE												
2-0220-001-MO	1	A	3	GA	MO	A	C	C	M-0060-1	D-7	LT PI SC	AJ Y2 M3			TP-00G
			Valve Name MS-INBRD MAIN STEAM LINE DRAIN ISOL VLV												
2-0220-002-MO	1	A	3	GA	MO	A	C	C	M-0060-2	C-1	LT PI SC	AJ Y2 M3			TP-00G
			Valve Name MS-OUTBRD MAIN STEAM LINE DRAIN ISOL VLV												
2-0220-017A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0060-1	B-8	CC LT	RR Y10		RJ-00A	
			Valve Name 1A MAIN STM INST LINE EXCESS FLOW CK VLV												
2-0220-017B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0060-1	C-8	CC LT	RR Y10		RJ-00A	
			Valve Name 1B MAIN STM INST LINE EXCESS FLOW CK VLV												
2-0220-017C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0060-1	E-8	CC LT	RR Y10		RJ-00A	
			Valve Name 1C MAIN STM INST LINE EXCESS FLOW CK VLV												
2-0220-017D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0060-1	G-8	CC LT	RR Y10		RJ-00A	
			Valve Name 1D MAIN STM INST LINE EXCESS FLOW CK VLV												
2-0220-018A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0060-1	B-8	CC LT	RR Y10		RJ-00A	
			Valve Name 1A MAIN STM INST LINE EXCESS FLOW CK VLV												
2-0220-018B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0060-1	C-8	CC LT	RR Y10		RJ-00A	
			Valve Name 1B MAIN STM INST LINE EXCESS FLOW CK VLV												

Main Steam (Page 14)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0220-018C	1	A/C	0.5	XFC	SA	A	SYS	C	M-0060-1	E-8	CC	RR		RJ-00A	
											LT	Y10			
			Valve Name 1C MAIN STM INST LINE EXCESS FLOW CK VLV												
2-0220-018D	1	A/C	0.5	XFC	SA	A	SYS	C	M-0060-1	G-8	CC	RR		RJ-00A	
											LT	Y10			
			Valve Name 1D MAIN STM INST LINE EXCESS FLOW CK VLV												
2-0220-081A	NC	C	1	CK	SA	A	SYS	C	M-0060-1	A-4	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
			Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKER												
2-0220-081B	NC	C	1	CK	SA	A	SYS	C	M-0060-1	C-5	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
			Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKER												
2-0220-081C	NC	C	1	CK	SA	A	SYS	C	M-0060-1	D-3	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
			Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKER												
2-0220-081D	NC	C	1	CK	SA	A	SYS	C	M-0060-1	F-5	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
			Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKER												
2-0220-081E	NC	C	1	CK	SA	A	SYS	C	M-0060-1	C-3	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
			Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKER												
2-0220-105A	NC	C	8	CK	SA	A	SYS	O/C	M-0060-1	A-4	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
			Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKER												
2-0220-105B	NC	C	8	CK	SA	A	SYS	O/C	M-0060-1	C-5	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
			Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKER												
2-0220-105C	NC	C	8	CK	SA	A	SYS	O/C	M-0060-1	D-3	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
			Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKER												
2-0220-105D	NC	C	8	CK	SA	A	SYS	O/C	M-0060-1	F-5	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
			Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKER												
2-0220-105E	NC	C	8	CK	SA	A	SYS	O/C	M-0060-1	C-3	CC	RR		RJ-30A	
											CO	RR		RJ-30A	
			Valve Name PRESS SUPP-SAFETY VLV DISCH VAC BREAKER												

Reactor Feedwater (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0220-058A	1	A/C	18	CK	SA	A	SYS	O/C	M-0015-1	E-3	CC	RR		RJ-32A	
											CO	M3			
											LT	AJ			TP-00G
Valve Name RX FEED-A LOOP INBOARD FEEDWATER CHK VLV															
1-0220-058B	1	A/C	18	CK	SA	A	SYS	O/C	M-0015-1	F-3	CC	RR		RJ-32A	
											CO	M3			
											LT	AJ			TP-00G
Valve Name RX FEED-B LOOP INBOARD FEEDWATER CHK VLV															
1-0220-059A	NS	C	18	CK	SA	A	SYS	C	M-0015-1	E-2	CC	RR		RJ-32A	
											CO	OP			CTP01-01
Valve Name RX FEED-A LOOP 2ND OUTBOARD FEEDWATER CK VLV															
1-0220-059B	2	C	18	CK	SA	A	SYS	C	M-0015-1	F-2	CC	RR		RJ-32A	
											CO	OP			CTP01-01
Valve Name RX FEED-B LOOP 2ND OUTBOARD FEEDWATER CK VLV															
1-0220-062A	1	A/C	18	CK	SA	A	SYS	O/C	M-0015-1	E-2	CC	RR		RJ-32A	
											CO	M3			
											LT	AJ			TP-00G
Valve Name RX FEED-A LOOP OUTBOARD FEEDWATER CK VLV															
1-0220-062B	1	A/C	18	CK	SA	A	SYS	O/C	M-0015-1	F-2	CC	RR		RJ-32A	
											CO	M3			
											LT	AJ			TP-00G
Valve Name RX FEED-B LOOP OUTBOARD FEEDWATER CK VLV															
2-0220-058A	1	A/C	18	CK	SA	A	SYS	O/C	M-0062-1	E-3	CC	RR		RJ-32A	
											CO	M3			
											LT	AJ			TP-00G
Valve Name RX FEED-A LOOP INBOARD FEEDWATER CHK VLV															
2-0220-058B	1	A/C	18	CK	SA	A	SYS	O/C	M-0062-1	F-3	CC	RR		RJ-32A	
											CO	M3			
											LT	AJ			TP-00G
Valve Name RX FEED-B LOOP INBOARD FEEDWATER CHK VLV															
2-0220-059A	NS	C	18	CK	SA	A	SYS	C	M-0062-1	E-2	CC	RR		RJ-32A	
											CO	OP			CTP01-01
Valve Name RX FEED-A LOOP 2ND OUTBOARD FEEDWATER CK VLV															
2-0220-059B	2	C	18	CK	SA	A	SYS	C	M-0062-1	F-2	CC	RR		RJ-32A	
											CO	OP			CTP01-01
Valve Name RX FEED-B LOOP 2ND OUTBOARD FEEDWATER CK VLV															

Reactor Feedwater (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0220-062A	1	A/C	18	CK	SA	A	SYS	O/C	M-0062-1	E-2	CC	RR		RJ-32A	
											CO	M3			
											LT	AJ			TP-00G
			Valve Name RX FEED-A LOOP OUTBOARD FEEDWATER CK VLV												
2-0220-062B	1	A/C	18	CK	SA	A	SYS	O/C	M-0062-1	F-2	CC	RR		RJ-32A	
											CO	M3			
											LT	AJ			TP-00G
			Valve Name RX FEED-B LOOP OUTBOARD FEEDWATER CK VLV												

Control Rod Drive (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0301-122	NS	C	1.5	CK	SA	A	SYS	O/C	M-0041-2	G-2	CC	SA			TP-00J
											CO	SA			TP-00J
				Valve Name CRD-MASTER SCRAM DUMP CHECK VALVE											
1-0302-019A-SO	NC	B	1	3W	SO	A	D	E	M-0041-2	F-1	SE	CS		CS-03B	TP-03B
				Valve Name CRD-MASTER SCRAM PILOT VALVE											
1-0302-019B-SO	NC	B	1	3W	SO	A	D	E	M-0041-2	G-1	SE	CS		CS-03B	TP-03B
				Valve Name CRD-MASTER SCRAM PILOT VALVE											
1-0302-020A-SO	NC	B	0.5	3W	SO	A	E	D	M-0041-2	G-4	FD	CS		CS-03B	TP-00C
											SD	CS		CS-03B	TP-03B
				Valve Name CRD-SDV VENT & DRAIN PILOT VALVE											
1-0302-020B-SO	NC	B	0.5	3W	SO	A	E	D	M-0041-2	G-4	FD	CS		CS-03B	TP-00C
											SD	CS		CS-03B	TP-03B
				Valve Name CRD-SDV VENT & DRAIN PILOT VALVE											
1-0302-021A-AO	2	B	1	DIA	AO	A	O	C	M-0041-3	B-10	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
				Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) VENT											
1-0302-021B-AO	NC	B	1	DIA	AO	A	O	C	M-0041-3	B-9	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
				Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) VENT											
1-0302-021C-AO	2	B	1	DIA	AO	A	O	C	M-0041-3	B-1	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
				Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) VENT											
1-0302-021D-AO	NC	B	1	DIA	AO	A	O	C	M-0041-3	B-2	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
				Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) VENT											
1-0302-022A-AO	2	B	2	DIA	AO	A	O	C	M-0041-3	F-9	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
				Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) DRAIN											
1-0302-022B-AO	NC	B	2	DIA	AO	A	O	C	M-0041-3	F-10	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
				Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) DRAIN											

Control Rod Drive (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0302-022C-AO	2	B	2	DIA	AO	A	O	C	M-0041-3	G-2	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) DRAIN															
1-0302-022D-AO	NC	B	2	DIA	AO	A	O	C	M-0041-3	G-1	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) DRAIN															
1-0302-025A-SO	NC	B	1	3W	SO	A	D	E	M-0041-2	E-1	SE	CS		CS-03B	TP-03B
Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID															
1-0302-025B-SO	NC	B	1	3W	SO	A	D	E	M-0041-2	E-1	SE	CS		CS-03B	TP-03B
Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID															
1-0302-026	NS	C	1.5	CK	SA	A	SYS	O/C	M-0041-2	E-1	CC	SA			TP-00J
											CO	SA			TP-00J
Valve Name CRD-ALTERNATE ROD INJECT SCRAM CHECK VLV															
1-0302-181A-SO	NC	B	1	GA	SO	A	C	O	M-0041-2	G-2	SO	CS		CS-03B	TP-03B
Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID															
1-0302-181B-SO	NC	B	1	GA	SO	A	C	O	M-0041-2	G-2	SO	CS		CS-03B	TP-03B
Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID															
1-0302-182A-SO	NC	B	1	GA	SO	A	C	O	M-0041-2	G-6	SO	CS		CS-03B	TP-03B
Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID															
1-0302-182B-SO	NC	B	1	GA	SO	A	C	O	M-0041-2	F-6	SO	CS		CS-03B	TP-03B
Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID															
1-0305-114	2	C	0.75	CK	SA	A	SYS	O	M-0041-1	F-2	CC	N/A			CTP00-04
											CO	RR	RV-03A		CTP00-04
Valve Name CRD-SCRAM DISCHARGE HEADER CHK (TYP 177)															
1-0305-115	1	C	0.5	CK	SA	A	SYS	C	M-0041-1	E-3	CC	CS		CS-03A	CTP00-04
											CO	M3			CTP00-04
Valve Name CRD-ACCUM CHARGING WATER HDR CK(TYP 177)															
1-0305-117-SO	NC	B	0.5	3W	SO	A	E	D	M-0041-1	E-3	FD	RR	RV-03A		TP-00C
											SD	RR	RV-03A		CTP00-04
Valve Name CRD-SCRAM PILOT SOLENOID VALVE (TYP 177)															
1-0305-118-SO	NC	B	0.5	3W	SO	A	E	D	M-0041-1	E-3	FD	RR	RV-03A		TP-00C
											SD	RR	RV-03A		CTP00-04
Valve Name CRD-SCRAM PILOT SOLENOID VALVE (TYP 177)															
1-0305-120-FCV	1	B	0.5	GA	SO	A	C	C	M-0041-1	D-4	FC	M3			TP-03A
											SC	M3			CTP00-04
Valve Name CRD-DIRCTIONAL FLO CNTRL-W/DRAW(TYP 177)															

Control Rod Drive (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0305-121-SO	1	B	0.5	GA	SO	A	C	C	M-0041-1	D-3	FC	M3			TP-03A
											SC	M3			CTP00-04
			Valve Name CRD-DIRCTIONAL CNTRL VLV-INSERT(TYP 177)												
1-0305-122-SO	1	B	0.5	GA	SO	A	C	C	M-0041-1	D-3	FC	M3			TP-03A
											SC	M3			CTP00-04
			Valve Name CRD-DIRCTIONAL CNTRL VLV-W/DRAW(TYP 177)												
1-0305-123-FCV	1	B	0.5	GA	SO	A	C	C	M-0041-1	D-3	FC	M3			TP-03A
											SC	M3			CTP00-04
			Valve Name CRD-DIRCTIONAL FLO CNTRL-INSERT(TYP 177)												
1-0305-126-CV	1	B	1	DIA	AO	A	C	O	M-0041-1	E-4	FO	RR	RV-03A		TP-00C
											SO	RR	RV-03A		CTP00-04
			Valve Name CRD-SCRAM INLET VALVE (TYP 177)												
1-0305-127-CV	1	B	0.75	DIA	AO	A	C	O	M-0041-1	E-2	FO	RR	RV-03A		TP-00C
											SO	RR	RV-03A		CTP00-04
			Valve Name CRD-SCRAM OUTLET VALVE (TYP 177)												
1-0305-137	1	C	0.5	CK	SA	A	SYS	C	M-0041-1	D-3	CC	RR	RV-03A		CTP00-04
											CO	M3			CTP00-04
			Valve Name CRD DRIVE WATER CHECK VALVE												
1-0305-138	1	C	0.5	CK	SA	A	SYS	C	M-0041-1	D-4	CC	M3			CTP00-04
											CO	OP			CTP01-01
			Valve Name CRD-COOLING WATER CHECK VALVE (TYP 177)												
2-0301-122	NS	C	1.5	CK	SA	A	SYS	O/C	M-0083-2	G-2	CC	SA			TP-00J
											CO	SA			TP-00J
			Valve Name CRD-MASTER SCRAM DUMP CHECK VALVE												
2-0302-019A-SO	NC	B	1	3W	SO	A	D	E	M-0083-2	F-1	SE	CS		CS-03B	TP-03B
			Valve Name CRD-MASTER SCRAM PILOT VALVE												
2-0302-019B-SO	NC	B	1	3W	SO	A	D	E	M-0083-2	G-1	SE	CS		CS-03B	TP-03B
			Valve Name CRD-MASTER SCRAM PILOT VALVE												
2-0302-020A-SO	NC	B	0.5	3W	SO	A	E	D	M-0083-2	G-4	FD	CS		CS-03B	TP-00C
											SD	CS		CS-03B	TP-03B
			Valve Name CRD-SDV VENT & DRAIN PILOT VALVE												
2-0302-020B-SO	NC	B	0.5	3W	SO	A	E	D	M-0083-2	G-4	FD	CS		CS-03B	TP-00C
											SD	CS		CS-03B	TP-03B
			Valve Name CRD-SDV VENT & DRAIN PILOT VALVE												
2-0302-021A-AO	2	B	1	DIA	AO	A	O	C	M-0083-3	B-10	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) VENT												

Control Rod Drive (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0302-021B-AO	NC	B	1	DIA	AO	A	O	C	M-0083-3	B-9	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) VENT												
2-0302-021C-AO	2	B	1	DIA	AO	A	O	C	M-0083-3	B-1	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) VENT												
2-0302-021D-AO	NC	B	1	DIA	AO	A	O	C	M-0083-3	B-2	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) VENT												
2-0302-022A-AO	2	B	2	DIA	AO	A	O	C	M-0083-3	F-9	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) DRAIN												
2-0302-022B-AO	NC	B	2	DIA	AO	A	O	C	M-0083-3	F-10	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) DRAIN												
2-0302-022C-AO	2	B	2	DIA	AO	A	O	C	M-0083-3	G-2	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) DRAIN												
2-0302-022D-AO	NC	B	2	DIA	AO	A	O	C	M-0083-3	G-1	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name CRD-SCRAM DISCHARGE VOLUME (SDV) DRAIN												
2-0302-025A-SO	NC	B	1	3W	SO	A	D	E	M-0083-1	E-2	SE	CS		CS-03B	TP-03B
			Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID												
2-0302-025B-SO	NC	B	1	3W	SO	A	D	E	M-0083-2	E-1	SE	CS		CS-03B	TP-03B
			Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID												
2-0302-026	NS	C	1.5	CK	SA	A	SYS	O/C	M-0083-2	E-1	CC	SA			TP-00J
											CO	SA			TP-00J
			Valve Name CRD-ALTERNATE ROD INJECT SCRAM CHECK VLV												
2-0302-181A-SO	NC	B	1	GA	SO	A	C	O	M-0083-2	G-2	SO	CS		CS-03B	TP-03B
			Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID												
2-0302-181B-SO	NC	B	1	GA	SO	A	C	O	M-0083-2	G-2	SO	CS		CS-03B	TP-03B
			Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID												

Control Rod Drive (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0302-182A-SO	NC	B	1	GA	SO	A	C	O	M-0083-2	F-6	SO	CS		CS-03B	TP-03B
			Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID												
2-0302-182B-SO	NC	B	1	GA	SO	A	C	O	M-0083-2	G-6	SO	CS		CS-03B	TP-03B
			Valve Name CRD-ALTERNATE ROD INJECT SCRAM SOLENOID												
2-0305-114	2	C	0.75	CK	SA	A	SYS	O	M-0083-1	F-2	CC	N/A			CTP00-04
											CO	RR	RV-03A		CTP00-04
			Valve Name CRD-SCRAM DISCHARGE HEADER CHK (TYP 177)												
2-0305-115	1	C	0.5	CK	SA	A	SYS	C	M-0083-1	E-3	CC	CS		CS-03A	CTP00-04
											CO	M3			CTP00-04
			Valve Name CRD-ACCUM CHARGING WATER HDR CK(TYP 177)												
2-0305-117-SO	NC	B	0.5	3W	SO	A	E	D	M-0083-1	E-3	FD	RR	RV-03A		TP-00C
											SD	RR	RV-03A		CTP00-04
			Valve Name CRD-SCRAM PILOT SOLENOID VALVE (TYP 177)												
2-0305-118-SO	NC	B	0.5	3W	SO	A	E	D	M-0083-1	E-3	FD	RR	RV-03A		TP-00C
											SD	RR	RV-03A		CTP00-04
			Valve Name CRD-SCRAM PILOT SOLENOID VALVE (TYP 177)												
2-0305-120-FCV	1	B	0.5	GA	SO	A	C	C	M-0083-1	D-4	FC	M3			TP-03A
											SC	M3			CTP00-04
			Valve Name CRD-DIRCTIONAL FLO CNTRL W/DRAW(TYP 177)												
2-0305-121-SO	1	B	0.5	GA	SO	A	C	C	M-0083-1	D-3	FC	M3			TP-03A
											SC	M3			CTP00-04
			Valve Name CRD-DIRCTIONAL CNTRL VLV-INSERT(TYP 177)												
2-0305-122-SO	1	B	0.5	GA	SO	A	C	C	M-0083-1	D-3	FC	M3			TP-03A
											SC	M3			CTP00-04
			Valve Name CRD-DIRCTIONAL CNTRL VLV-W/DRAW(TYP 177)												
2-0305-123-FCV	1	B	0.5	GA	SO	A	C	C	M-0083-1	D-3	FC	M3			TP-03A
											SC	M3			CTP00-04
			Valve Name CRD-DIRCTIONAL FLO CNTRL-INSERT(TYP 177)												
2-0305-126-CV	1	B	1	DIA	AO	A	C	O	M-0083-1	E-4	FO	RR	RV-03A		TP-00C
											SO	RR	RV-03A		CTP00-04
			Valve Name CRD-SCRAM INLET VALVE (TYP 177)												
2-0305-127-CV	1	B	0.75	DIA	AO	A	C	O	M-0083-1	E-2	FO	RR	RV-03A		TP-00C
											SO	RR	RV-03A		CTP00-04
			Valve Name CRD-SCRAM OUTLET VALVE (TYP 177)												
2-0305-137	1	C	0.5	CK	SA	A	SYS	C	M-0083-1	D-3	CC	RR	RV-03A		CTP00-04
											CO	M3			CTP00-04
			Valve Name CRD DRIVE WATER CHECK VALVE												

Control Rod Drive (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0305-138	1	C	0.5	CK	SA	A	SYS	C	M-0083-1	D-4	CC	M3			CTP00-04
											CO	OP			CTP01-01

Valve Name CRD-COOLING WATER CHECK VALVE (TYP 177)

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Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0737-001B-SO	NC	A	0.375	BAL	SO	A	C	C	M-0584-1	C-4	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name TIP-PRIMARY CONTAINMENT ISOLATION VALVE													
1-0737-001C-SO	NC	A	0.375	BAL	SO	A	C	C	M-0584-1	C-4	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name TIP-PRIMARY CONTAINMENT ISOLATION VALVE													
1-0737-001D-SO	NC	A	0.375	BAL	SO	A	C	C	M-0584-1	C-4	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name TIP-PRIMARY CONTAINMENT ISOLATION VALVE													
1-0737-001E-SO	NC	A	0.375	BAL	SO	A	C	C	M-0584-1	C-4	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name TIP-PRIMARY CONTAINMENT ISOLATION VALVE													
1-0737-001F-SO	NC	A	0.375	BAL	SO	A	C	C	M-0584-1	C-4	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name TIP-PRIMARY CONTAINMENT ISOLATION VALVE													
1-0737-002B	NC	A/D	0.375	SHR	EXP	A	OKL	C	M-0584-1	C-4	DT	SA			
											LT	AJ			TP-07A
		Valve Name TIP-PRIMARY CONTAINMENT ISOLATION VALVE													
1-0737-002C	NC	A/D	0.375	SHR	EXP	A	OKL	C	M-0584-1	B-4	DT	SA			
											LT	AJ			TP-07A
		Valve Name TIP-PRIMARY CONTAINMENT ISOLATION VALVE													
1-0737-002D	NC	A/D	0.375	SHR	EXP	A	OKL	C	M-0584-1	C-4	DT	SA			
											LT	AJ			TP-07A
		Valve Name TIP-PRIMARY CONTAINMENT ISOLATION VALVE													
1-0737-002E	NC	A/D	0.375	SHR	EXP	A	OKL	C	M-0584-1	C-4	DT	SA			
											LT	AJ			TP-07A
		Valve Name TIP-PRIMARY CONTAINMENT ISOLATION VALVE													
1-0737-002F	NC	A/D	0.375	SHR	EXP	A	OKL	C	M-0584-1	C-4	DT	SA			
											LT	AJ			TP-07A
		Valve Name TIP-PRIMARY CONTAINMENT ISOLATION VALVE													

Transversing In-Core Probe (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-0743	NC	A/C	0.375	CK	SA	A	SYS	C	M-0584-1	D-5	CC	RR		RJ-07A	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
			Valve Name	TIP-NITROGEN PURGE CHK, PCIV											
2-0737-001B-SO	NC	A	0.375	BAL	SO	A	C	C	M-0584-2	C-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name	TIP-PRIMARY CONTAINMENT ISOLATION VALVE											
2-0737-001C-SO	NC	A	0.375	BAL	SO	A	C	C	M-0584-2	C-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name	TIP-PRIMARY CONTAINMENT ISOLATION VALVE											
2-0737-001D-SO	NC	A	0.375	BAL	SO	A	C	C	M-0584-2	C-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name	TIP-PRIMARY CONTAINMENT ISOLATION VALVE											
2-0737-001E-SO	NC	A	0.375	BAL	SO	A	C	C	M-0584-2	C-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name	TIP-PRIMARY CONTAINMENT ISOLATION VALVE											
2-0737-001F-SO	NC	A	0.375	BAL	SO	A	C	C	M-0584-2	C-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name	TIP-PRIMARY CONTAINMENT ISOLATION VALVE											
2-0737-002B	NC	A/D	0.375	SHR	EXP	A	OKL	C	M-0584-2	C-6	DT	SA			
											LT	AJ			TP-07A
			Valve Name	TIP-PRIMARY CONTAINMENT ISOLATION VALVE											
2-0737-002C	NC	A/D	0.375	SHR	EXP	A	OKL	C	M-0584-2	C-6	DT	SA			
											LT	AJ			TP-07A
			Valve Name	TIP-PRIMARY CONTAINMENT ISOLATION VALVE											
2-0737-002D	NC	A/D	0.375	SHR	EXP	A	OKL	C	M-0584-2	C-7	DT	SA			
											LT	AJ			TP-07A
			Valve Name	TIP-PRIMARY CONTAINMENT ISOLATION VALVE											

Transversing In-Core Probe (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-0737-002E	NC	A/D	0.375	SHR	EXP	A	OKL	C	M-0584-2	B-7	DT	SA			
											LT	AJ			TP-07A
		Valve Name	TIP-PRIMARY CONTAINMENT ISOLATION VALVE												
2-0737-002F	NC	A/D	0.375	SHR	EXP	A	OKL	C	M-0584-2	C-7	DT	SA			
											LT	AJ			TP-07A
		Valve Name	TIP PRIMARY CONTAINMENT ISOLATION VALVE												
2-0743	NC	A/C	0.375	CK	SA	A	SYS	C	M-0584-2	C-6	CC	RR		RJ-07A	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
		Valve Name	TIP-NITROGEN PURGE CHK, PCIV												

Residual Heat Removal (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1001-002A	3	C	12	CK	SA	A	SYS	O/C	M-0037	D-2	CC	M3			
											CO	M3			
Valve Name RHRSW-A PUMP DISCHARGE CHECK VALVE															
1-1001-002B	3	C	12	CK	SA	A	SYS	O/C	M-0037	F-1	CC	M3			
											CO	M3			
Valve Name RHRSW-B PUMP DISCHARGE CHECK VALVE															
1-1001-002C	3	C	12	CK	SA	A	SYS	O/C	M-0037	D-9	CC	M3			
											CO	M3			
Valve Name RHRSW-C PUMP DISCHARGE CHECK VALVE															
1-1001-002D	3	C	12	CK	SA	A	SYS	O/C	M-0037	F-10	CC	M3			
											CO	M3			
Valve Name RHRSW-D PUMP DISCHARGE CHECK VALVE															
1-1001-004A-MO	3	B	16	GA	MO	P	SYS	O/C	M-0037	A-1	PI	Y2			
Valve Name RHRSW-A LOOP RHR HT EXCHNGR FLUSH CONTRL															
1-1001-004B-MO	3	B	16	GA	MO	P	SYS	O/C	M-0037	A-10	PI	Y2			
Valve Name RHRSW-B LOOP RHR HT EXCHNGR FLUSH CONTRL															
1-1001-005A-MO	3	B	12	GL	MO	A	C	O	M-0037	B-3	PI	Y2			
											SO	M3			
Valve Name RHRSW-A LOOP RHRSW FLOW CONTROL VALVE															
1-1001-005B-MO	3	B	12	GL	MO	A	C	O	M-0037	B-8	PI	Y2			
											SO	M3			
Valve Name RHRSW-B LOOP RHRSW FLOW CONTROL VALVE															
1-1001-007A-MO	2	B	14	GA	MO	A	O	O/C	M-0039-2	C-5	PI	Y2			
											SC	M3			TP-00F
											SO	M3			
Valve Name RHR-A PUMP TORUS SUCTION LINE ISOLATION															
1-1001-007B-MO	2	B	14	GA	MO	A	O	O/C	M-0039-2	F-5	PI	Y2			
											SC	M3			TP-00F
											SO	M3			
Valve Name RHR-B PUMP TORUS SUCTION LINE ISOLATION															
1-1001-007C-MO	2	B	14	GA	MO	A	O	O/C	M-0039-2	C-6	PI	Y2			
											SC	M3			TP-00F
											SO	M3			
Valve Name RHR-C PUMP TORUS SUCTION LINE ISOLATION															
1-1001-007D-MO	2	B	14	GA	MO	A	O	O/C	M-0039-2	F-6	PI	Y2			
											SC	M3			TP-00F
											SO	M3			
Valve Name RHR-D PUMP TORUS SUCTION LINE ISOLATION															

Residual Heat Removal (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1001-016A-MO	2	B	18	GL	MO	A	O	O/C	M-0039-2	B-3	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-A LOOP HT EXCHANGER BYPASS LINE ISOL															
1-1001-016B-MO	2	B	18	GL	MO	A	O	O/C	M-0039-2	B-8	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-B LOOP HT EXCHANGER BYPASS LINE ISOL															
1-1001-018A-MO	2	B	3	GA	MO	A	O	O/C	M-0039-1	D-2	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-A LOOP MINIMUM FLOW RECIRC LINE ISOL															
1-1001-018B-MO	2	B	3	GA	MO	A	O	O/C	M-0039-1	D-8	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-A LOOP MINIMUM FLOW RECIRC LINE ISOL															
1-1001-019A-MO	2	B	18	GA	MO	P	O	O	M-0039-1	F-2	PI	Y2			
Valve Name RHR-A LOOP CROSS TIE LINE ISOLATION															
1-1001-019B-MO	2	B	18	GA	MO	P	O	O	M-0039-1	F-8	PI	Y2			
Valve Name RHR-B LOOP CROSS TIE LINE ISOLATION															
1-1001-020-MO	2	B	3	GA	MO	A	C	C	M-0039-1	F-8	PI	Y2			
											SC	M3			
Valve Name RHR-TRANSFER LINE TO RADWASTE ISOLATION															
1-1001-021-MO	NC	B	3	GA	MO	A	C	C	M-0039-1	F-7	PI	Y2			
											SC	M3			
Valve Name RHR-TRANSFER LINE TO RADWASTE ISOLATION															
1-1001-022A-RV	2	C	1	RV	SA	A	C	O	M-0039-1	B-2	RT	Y10			
Valve Name RHR-A LOOP RELIEF VALVE															
1-1001-022B-RV	2	C	1	RV	SA	A	C	O	M-0039-1	B-8	RT	Y10			
Valve Name RHR-B LOOP RELIEF VALVE															
1-1001-023A-MO	2	B	10	GA	MO	A	C	O/C	M-0039-1	B-4	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-A LOOP OUTBOARD DW SPRAY ISOLATION															
1-1001-023B-MO	2	B	10	GA	MO	A	C	O/C	M-0039-1	B-7	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-B LOOP OUTBOARD DW SPRAY ISOLATION															

Residual Heat Removal (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1001-026A-MO	NC	A	10	GA	MO	A	C	O/C	M-0039-1	B-4	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP INBOARD DW SPRAY ISOLATION												
1-1001-026B-MO	NC	A	10	GA	MO	A	C	O/C	M-0039-1	B-6	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP INBOARD DW SPRAY ISOLATION												
1-1001-028A-MO	2	B	16	GL	MO	A	O	O/C	M-0039-1	C-3	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP OUTBOARD RX VESSEL INJECTION												
1-1001-028B-MO	2	B	16	GL	MO	A	O	O/C	M-0039-1	C-7	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP OUTBOARD RX VESSEL INJECTION												
1-1001-029A-MO	1	A	16	GA	MO	A	C	O/C	M-0039-1	C-4	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP INBOARD RX VESSEL INJECTION												
1-1001-029B-MO	1	A	16	GA	MO	A	C	O/C	M-0039-1	C-7	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP INBOARD RX VESSEL INJECTION												
1-1001-033A	1	B	16	GA	M	P	LO	O	M-0039-1	C-5	PI	Y2			
			Valve Name RHR-A LOOP RX VESSEL INJECT MANUAL ISOL												
1-1001-033B	1	B	16	GA	M	P	LO	O	M-0039-1	C-6	PI	Y2			
			Valve Name RHR-B LOOP RX VESSEL INJECT MANUAL ISOL												
1-1001-034A-MO	2	B	16	GA	MO	A	C	O/C	M-0039-1	B-3	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP TORUS COOLING & SPRAY ISOL												
1-1001-034B-MO	2	B	16	GA	MO	A	C	O/C	M-0039-1	C-8	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP TORUS COOLING & SPRAY ISOL												

Residual Heat Removal (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1001-036A-MO	2	A	14	GL	MO	A	C	O/C	M-0039-1	C-3	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP TORUS COOLING ISOLATION												
1-1001-036B-MO	2	A	14	GL	MO	A	C	O/C	M-0039-1	C-8	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP TORUS COOLING ISOLATION												
1-1001-037A-MO	2	A	6	GL	MO	A	C	O/C	M-0039-1	C-3	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP TORUS SPRAY ISOLATION												
1-1001-037B-MO	2	A	6	GL	MO	A	C	O/C	M-0039-1	C-7	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP TORUS SPRAY ISOLATION												
1-1001-043A-MO	2	B	14	GA	MO	P	C	C	M-0039-2	C-4	PI	Y2			
			Valve Name RHR-A PUMP SHUTDOWN COOLING SUCTION ISOL												
1-1001-043B-MO	2	B	14	GA	MO	P	C	C	M-0039-2	E-4	PI	Y2			
			Valve Name RHR-B PUMP SHUTDOWN COOLING SUCTION ISOL												
1-1001-043C-MO	2	B	14	GA	MO	P	C	C	M-0039-2	C-7	PI	Y2			
			Valve Name RHR-C PUMP SHUTDOWN COOLING SUCTION ISOL												
1-1001-043D-MO	2	B	14	GA	MO	P	C	C	M-0039-2	E-7	PI	Y2			
			Valve Name RHR-D PUMP SHUTDOWN COOLING SUCTION ISOL												
1-1001-047-MO	1	A	20	GA	MO	A	C	C	M-0039-1	E-5	LT	AJ			TP-00G
											PI	Y2			
											SC	CS		CS-10A	
			Valve Name RHR-OUTBOARD SHUTDOWN COOLING ISOLATION												
1-1001-050-MO	1	A	20	GA	MO	A	C	C	M-0039-1	D-5	LT	AJ			TP-00G
											PI	Y2			
											SC	CS		CS-10A	
			Valve Name RHR-INBOARD SHUTDOWN COOLING ISOLATION												
1-1001-059-RV	2	C	1	RV	SA	P	C	C	M-0039-1	B-9	RT	Y10			
			Valve Name RHR-HEAD SPRAY LINE RELIEF VALVE												

Residual Heat Removal (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1001-067A	2	C	12	CK	SA	A	SYS	O/C	M-0039-2	C-3	CC	M3			
											CO	M3			
Valve Name RHR-A PUMP DISCHARGE CHECK VALVE															
1-1001-067B	2	C	12	CK	SA	A	SYS	O/C	M-0039-2	E-3	CC	M3			
											CO	M3			
Valve Name RHR-B PUMP DISCHARGE CHECK VALVE															
1-1001-067C	2	C	12	CK	SA	A	SYS	O/C	M-0039-2	C-8	CC	M3			
											CO	M3			
Valve Name RHR-C PUMP DISCHARGE CHECK VALVE															
1-1001-067D	2	C	12	CK	SA	A	SYS	O/C	M-0039-2	E-8	CC	M3			
											CO	M3			
Valve Name RHR-D PUMP DISCHARGE CHECK VALVE															
1-1001-068A	1	A/C	16	CK	AO	A	SYS	O/C	M-0039-1	C-4	CC	RR		RJ-00B	
											CO	CS		CS-00A	
											LT	Y2			
											PI	Y2			
Valve Name RHR-A LOOP RX VESSEL INJECTION CHECK															
1-1001-068B	1	A/C	16	CK	AO	A	SYS	O/C	M-0039-1	C-6	CC	RR		RJ-00B	
											CO	CS		CS-00A	
											LT	Y2			
											PI	Y2			
Valve Name RHR-B LOOP RX VESSEL INJECTION CHECK															
1-1001-125A-RV	2	C	1	RV	SA	A	C	O	M-0039-2	C-5	RT	Y10			
Valve Name RHR-A PUMP SUCTION RELIEF VALVE															
1-1001-125B-RV	2	C	1	RV	SA	A	C	O	M-0039-2	E-5	RT	Y10			
Valve Name RHR-B PUMP SUCTION RELIEF VALVE															
1-1001-125C-RV	2	C	1	RV	SA	A	C	O	M-0039-2	C-6	RT	Y10			
Valve Name RHR-C PUMP SUCTION RELIEF VALVE															
1-1001-125D-RV	2	C	1	RV	SA	A	C	O	M-0039-2	E-6	RT	Y10			
Valve Name RHR-D PUMP SUCTION RELIEF VALVE															
1-1001-131	2	C	3	CK	SA	A	SYS	C	M-0039-1	F-2	CC	RR	RV-00C	RJ-10A	
											CO	RR		RJ-10A	
Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL															
1-1001-132	NS	C	3	SCK	SA	A	SYS	C	M-0039-1	F-2	CC	M3	RV-00C		
											CO	RR		RJ-10A	
Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL															
1-1001-136A	2	C	3	CK	SA	A	SYS	C	M-0039-1	C-2	CC	RR	RV-00C	RJ-10A	
											CO	RR		RJ-10A	
Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL															

Residual Heat Removal (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1001-136B	2	C	3	CK	SA	A	SYS	C	M-0039-1	C-9	CC	RR	RV-00C	RJ-10A	
											CO	RR		RJ-10A	
			Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL												
1-1001-137A	NS	C	3	SCK	SA	A	SYS	C	M-0039-1	C-2	CC	M3	RV-00C		
											CO	RR		RJ-10A	
			Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL												
1-1001-137B	NS	C	3	SCK	SA	A	SYS	C	M-0039-1	C-9	CC	M3	RV-00C		
											CO	RR		RJ-10A	
			Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL												
1-1001-139	2	C	3	CK	SA	A	SYS	C	M-0039-1	A-9	CC	RR	RV-00C	RJ-10A	
											CO	RR		RJ-10A	
			Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL												
1-1001-140	NS	C	3	SCK	SA	A	SYS	C	M-0039-1	A-9	CC	M3	RV-00C		
											CO	RR		RJ-10A	
			Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL												
1-1001-142A	2	C	2	CK	SA	A	SYS	O/C	M-0039-2	C-3	CC	SA			
											CO	SA			
			Valve Name RHR-A PUMP MINIMUM FLOW RECIRC LINE CHK												
1-1001-142B	2	C	2	CK	SA	A	SYS	O/C	M-0039-2	E-3	CC	SA			
											CO	SA			
			Valve Name RHR-B PUMP MINIMUM FLOW RECIRC LINE CHK												
1-1001-142C	2	C	2	CK	SA	A	SYS	O/C	M-0039-2	C-7	CC	SA			
											CO	SA			
			Valve Name RHR-C PUMP MINIMUM FLOW RECIRC LINE CHK												
1-1001-142D	2	C	2	CK	SA	A	SYS	O/C	M-0039-2	E-8	CC	SA			
											CO	SA			
			Valve Name RHR-D PUMP MINIMUM FLOW RECIRC LINE CHK												
1-1001-143A	NS	C	6	CK	SA	A	SYS	O	M-0039-3	F-5	CC	SA			TP-00J
											CO	SA			TP-00J
			Valve Name RHR SYSTEM DRAIN ISOLATION CHECK VALVE TRAIN A												
1-1001-143B	NS	C	6	CK	SA	A	SYS	O	M-0039-3	F-6	CC	SA			TP-00J
											CO	SA			TP-00J
			Valve Name RHR SYSTEM DRAIN ISOLATION CHECK VALVE TRAIN B												
1-1001-165A-RV	3	C	4	RV	SA	A	C	O	M-0037	A-2	RT	Y10			
			Valve Name RHRSW-A HT EXCHANGER THERMAL RELIEF VLV												
1-1001-165B-RV	3	C	4	RV	SA	A	C	O	M-0037	A-9	RT	Y10			
			Valve Name RHRSW-B HT EXCHANGER THERMAL RELIEF VLV												

Residual Heat Removal (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1001-166A-RV	2	C	1	RV	SA	A	C	O	M-0039-2	B-2	RT	Y10			
Valve Name RHR-A HT EXCHANGER THERMAL RELIEF VALVE															
1-1001-166B-RV	2	C	1	RV	SA	A	C	O	M-0039-2	B-9	RT	Y10			
Valve Name RHR-B HT EXCHANGER THERMAL RELIEF VALVE															
1-1001-185	2	C	1	CK	SA	A	SYS	O/C	M-0039-1	A-8	CC	M3			
											CO	M3			
Valve Name RHR-ESS KEEP FILL SUPPLY LINE ISOLATION															
1-1001-185A-MO	3	B	12	GA	MO	P	SYS	O/C	M-0037	A-3	PI	Y2			
Valve Name RHRSW-A LOOP RHR HT EXCHNGR FLUSH CONTRL															
1-1001-185B-MO	3	B	12	GA	MO	P	SYS	O/C	M-0037	A-8	PI	Y2			
Valve Name RHRSW-B LOOP RHR HT EXCHNGR FLUSH CONTRL															
1-1001-186A-MO	3	B	12	GA	MO	P	SYS	O/C	M-0037	A-3	PI	Y2			
Valve Name RHRSW-A LOOP RHR HT EXCHNGR FLUSH CONTRL															
1-1001-186B-MO	3	B	12	GA	MO	P	SYS	O/C	M-0037	A-8	PI	Y2			
Valve Name RHRSW-B LOOP RHR HT EXCHNGR FLUSH CONTRL															
1-1001-187A-MO	3	B	12	GA	MO	P	SYS	O/C	M-0037	B-2	PI	Y2			
Valve Name RHRSW-A LOOP RHR HT EXCHNGR FLUSH CONTRL															
1-1001-187B-MO	3	B	12	GA	MO	P	SYS	O/C	M-0037	B-9	PI	Y2			
Valve Name RHRSW-B LOOP RHR HT EXCHNGR FLUSH CONTRL															
1-1099-092A-AO	2	B	1	DIA	AO	A	C	C	M-0039-2	B-2	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
Valve Name RHR-A LOOP SAMPLING SELECT VALVE															
1-1099-092B-AO	2	B	1	DIA	AO	A	C	C	M-0039-2	B-9	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
Valve Name RHR-B LOOP SAMPLING SELECT VALVE															
1-1099-166	NC	A	6	GA	M	P	C	C	M-0039-1	A-4	LT	AJ			TP-00G
Valve Name RHR-FIRE PROTECTION SYSTEM SUPPLY ISOL															
2-1001-002A	3	C	12	CK	SA	A	SYS	O/C	M-0079	D-2	CC	M3			
											CO	M3			
Valve Name RHRSW-A PUMP DISCHARGE CHECK VALVE															
2-1001-002B	3	C	12	CK	SA	A	SYS	O/C	M-0079	F-1	CC	M3			
											CO	M3			
Valve Name RHRSW-B PUMP DISCHARGE CHECK VALVE															
2-1001-002C	3	C	12	CK	SA	A	SYS	O/C	M-0079	D-9	CC	M3			
											CO	M3			
Valve Name RHRSW-C PUMP DISCHARGE CHECK VALVE															

Residual Heat Removal (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1001-002D	3	C	12	CK	SA	A	SYS	O/C	M-0079	F-10	CC	M3			
											CO	M3			
Valve Name RHRSW-D PUMP DISCHARGE CHECK VALVE															
2-1001-004A-MO	3	B	16	GA	MO	P	SYS	O/C	M-0079	A-1	PI	Y2			
Valve Name RHRSW-A LOOP RHR HT EXCHNGR FLUSH CONTRL															
2-1001-004B-MO	3	B	16	GA	MO	P	SYS	O/C	M-0079	A-10	PI	Y2			
Valve Name RHRSW-B LOOP RHR HT EXCHNGR FLUSH CONTRL															
2-1001-005A-MO	3	B	12	GL	MO	A	C	O	M-0079	B-3	PI	Y2			
											SO	M3			
Valve Name RHRSW-A LOOP RHRSW FLOW CONTROL VALVE															
2-1001-005B-MO	3	B	12	GL	MO	A	C	O	M-0079	B-8	PI	Y2			
											SO	M3			
Valve Name RHRSW-B LOOP RHRSW FLOW CONTROL VALVE															
2-1001-007A-MO	2	B	14	GA	MO	A	O	O/C	M-0081-2	C-5	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-A PUMP TORUS SUCTION LINE ISOLATION															
2-1001-007B-MO	2	B	14	GA	MO	A	O	O/C	M-0081-2	F-5	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-B PUMP TORUS SUCTION LINE ISOLATION															
2-1001-007C-MO	2	B	14	GA	MO	A	O	O/C	M-0081-2	C-6	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-C PUMP TORUS SUCTION LINE ISOLATION															
2-1001-007D-MO	2	B	14	GA	MO	A	O	O/C	M-0081-2	F-6	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-D PUMP TORUS SUCTION LINE ISOLATION															
2-1001-016A-MO	2	B	18	GL	MO	A	O	O/C	M-0081-2	A-3	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-A LOOP HT EXCHANGER BYPASS LINE ISOL															
2-1001-016B-MO	2	B	18	GL	MO	A	O	O/C	M-0081-2	A-8	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-B LOOP HT EXCHANGER BYPASS LINE ISOL															

Residual Heat Removal (Page 9)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1001-018A-MO	2	B	3	GA	MO	A	O	O/C	M-0081-1	D-3	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP MINIMUM FLOW RECIRC LINE ISOL												
2-1001-018B-MO	2	B	3	GA	MO	A	O	O/C	M-0081-1	D-8	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP MINIMUM FLOW RECIRC LINE ISOL												
2-1001-019A-MO	2	B	18	GA	MO	P	O	O	M-0081-1	F-2	PI	Y2			
			Valve Name RHR-A LOOP CROSS TIE LINE ISOLATION												
2-1001-019B-MO	2	B	18	GA	MO	P	O	O	M-0081-1	F-9	PI	Y2			
			Valve Name RHR-B LOOP CROSS TIE LINE ISOLATION												
2-1001-020-MO	2	B	3	GA	MO	A	C	C	M-0081-1	F-3	PI	Y2			
											SC	M3			
			Valve Name RHR-TRANSFER LINE TO RADWASTE ISOLATION												
2-1001-021-MO	NC	B	3	GA	MO	A	C	C	M-0081-1	F-3	PI	Y2			
											SC	M3			
			Valve Name RHR-TRANSFER LINE TO RADWASTE ISOLATION												
2-1001-022A-RV	2	C	1	RV	SA	A	C	O	M-0081-1	B-2	RT	Y10			
			Valve Name RHR-A LOOP RELIEF VALVE												
2-1001-022B-RV	2	C	1	RV	SA	A	C	O	M-0081-1	B-8	RT	Y10			
			Valve Name RHR-B LOOP RELIEF VALVE												
2-1001-023A-MO	2	B	10	GA	MO	A	C	O/C	M-0081-1	B-4	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP OUTBOARD DW SPRAY ISOLATION												
2-1001-023B-MO	2	B	10	GA	MO	A	C	O/C	M-0081-1	B-7	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP OUTBOARD DW SPRAY ISOLATION												
2-1001-026A-MO	NC	A	10	GA	MO	A	C	O/C	M-0081-1	B-4	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP INBOARD DW SPRAY ISOLATION												

Residual Heat Removal (Page 10)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1001-026B-MO	NC	A	10	GA	MO	A	C	O/C	M-0081-1	B-6	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP INBOARD DW SPRAY ISOLATION												
2-1001-028A-MO	2	B	16	GL	MO	A	O	O/C	M-0081-1	C-3	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP OUTBOARD RX VESSEL INJECTION												
2-1001-028B-MO	2	B	16	GL	MO	A	O	O/C	M-0081-1	C-3	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP OUTBOARD RX VESSEL INJECTION												
2-1001-029A-MO	1	A	16	GA	MO	A	C	O/C	M-0081-1	C-4	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP INBOARD RX VESSEL INJECTION												
2-1001-029B-MO	1	A	16	GA	MO	A	C	O/C	M-0081-1	C-7	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP RX INBOARD VESSEL INJECTION												
2-1001-033A	1	B	16	GA	M	P	LO	O	M-0081-1	C-5	PI	Y2			
			Valve Name RHR-A LOOP RX VESSEL INJECT MANUAL ISOL												
2-1001-033B	1	B	16	GA	M	P	LO	O	M-0081-1	C-6	PI	Y2			
			Valve Name RHR-B LOOP RX VESSEL INJECT MANUAL ISOL												
2-1001-034A-MO	2	B	16	GA	MO	A	C	O/C	M-0081-1	B-3	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP TORUS COOLING & SPRAY ISOL												
2-1001-034B-MO	2	B	16	GA	MO	A	C	O/C	M-0081-1	C-8	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-B LOOP TORUS COOLING & SPRAY ISOL												
2-1001-036A-MO	2	A	14	GL	MO	A	C	O/C	M-0081-1	C-3	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name RHR-A LOOP TORUS COOLING ISOLATION												

Residual Heat Removal (Page 11)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1001-036B-MO	2	A	14	GL	MO	A	C	O/C	M-0081-1	C-8	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-B LOOP TORUS COOLING ISOLATION															
2-1001-037A-MO	2	A	6	GL	MO	A	C	O/C	M-0081-1	C-3	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-TORUS SPRAY ISOLATION															
2-1001-037B-MO	2	A	6	GL	MO	A	C	O/C	M-0081-1	C-7	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RHR-TORUS SPRAY ISOLATION															
2-1001-043A-MO	2	B	14	GA	MO	P	C	C	M-0081-2	C-4	PI	Y2			
Valve Name RHR-A PUMP SHUTDOWN COOLING SUCTION ISOL															
2-1001-043B-MO	2	B	14	GA	MO	P	C	C	M-0081-2	E-4	PI	Y2			
Valve Name RHR-B PUMP SHUTDOWN COOLING SUCTION ISOL															
2-1001-043C-MO	2	B	14	GA	MO	P	C	C	M-0081-2	C-7	PI	Y2			
Valve Name RHR-C PUMP SHUTDOWN COOLING SUCTION ISOL															
2-1001-043D-MO	2	B	14	GA	MO	P	C	C	M-0081-2	E-7	PI	Y2			
Valve Name RHR-D PUMP SHUTDOWN COOLING SUCTION ISOL															
2-1001-047-MO	1	A	20	GA	MO	A	C	C	M-0081-1	E-5	LT	AJ			TP-00G
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS		CS-10A	
Valve Name RHR-OUTBOARD SHUTDOWN COOLING ISOLATION															
2-1001-050-MO	1	A	20	GA	MO	A	C	C	M-0081-1	D-5	LT	AJ			TP-00G
											LT	AJ			TP-00G
											PI	Y2			
											SC	CS		CS-10A	
Valve Name RHR-INBOARD SHUTDOWN COOLING ISOLATION															
2-1001-059-RV	2	C	1	RV	SA	P	C	C	M-0081-1	A-8	RT	Y10			
Valve Name RHR-HEAD SPRAY LINE RELIEF VALVE															
2-1001-067A	2	C	12	CK	SA	A	SYS	O/C	M-0081-2	C-3	CC	M3			
											CO	M3			
Valve Name RHR-A PUMP DISCHARGE CHECK VALVE															

Residual Heat Removal (Page 12)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1001-067B	2	C	12	CK	SA	A	SYS	O/C	M-0081-2	E-3	CC	M3			
											CO	M3			
			Valve Name RHR-B PUMP DISCHARGE CHECK VALVE												
2-1001-067C	2	C	12	CK	SA	A	SYS	O/C	M-0081-2	C-8	CC	M3			
											CO	M3			
			Valve Name RHR-C PUMP DISCHARGE CHECK VALVE												
2-1001-067D	2	C	12	CK	SA	A	SYS	O/C	M-0081-2	E-8	CC	M3			
											CO	M3			
			Valve Name RHR-D PUMP DISCHARGE CHECK VALVE												
2-1001-068A	1	A/C	16	CK	AO	A	SYS	O/C	M-0081-1	C-4	CC	RR		RJ-00B	
											CO	CS		CS-00A	
											LT	Y2			
											PI	Y2			
			Valve Name RHR-A LOOP RX VESSEL INJECTION CHECK												
2-1001-068B	1	A/C	16	CK	AO	A	SYS	O/C	M-0081-1	C-6	CC	RR		RJ-00B	
											CO	CS		CS-00A	
											LT	Y2			
											PI	Y2			
			Valve Name RHR-B LOOP RX VESSEL INJECTION CHECK												
2-1001-125A-RV	2	C	1	RV	SA	A	C	O	M-0081-2	C-5	RT	Y10			
			Valve Name RHR-A PUMP SUCTION RELIEF VALVE												
2-1001-125B-RV	2	C	1	RV	SA	A	C	O	M-0081-2	F-5	RT	Y10			
			Valve Name RHR-B PUMP SUCTION RELIEF VALVE												
2-1001-125C-RV	2	C	1	RV	SA	A	C	O	M-0081-2	C-6	RT	Y10			
			Valve Name RHR-C PUMP SUCTION RELIEF VALVE												
2-1001-125D-RV	2	C	1	RV	SA	A	C	O	M-0081-2	F-6	RT	Y10			
			Valve Name RHR-D PUMP SUCTION RELIEF VALVE												
2-1001-131	2	C	3	CK	SA	A	SYS	C	M-0081-1	F-7	CC	RR	RV-00C	RJ-10A	
											CO	RR		RJ-10A	
			Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL												
2-1001-132	NS	C	3	SCK	SA	A	SYS	C	M-0081-1	G-7	CC	M3	RV-00C		
											CO	RR		RJ-10A	
			Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL												
2-1001-136A	2	C	3	CK	SA	A	SYS	C	M-0081-1	C-2	CC	RR	RV-00C	RJ-10A	
											CO	RR		RJ-10A	
			Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL												
2-1001-136B	2	C	3	CK	SA	A	SYS	C	M-0081-1	C-9	CC	RR	RV-00C	RJ-10A	
											CO	RR		RJ-10A	
			Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL												

Residual Heat Removal (Page 13)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1001-137A	NS	C	3	SCK	SA	A	SYS	C	M-0081-1	C-2	CC	M3	RV-00C		
											CO	RR		RJ-10A	
		Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL													
2-1001-137B	NS	C	3	SCK	SA	A	SYS	C	M-0081-1	C-9	CC	M3	RV-00C		
											CO	RR		RJ-10A	
		Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL													
2-1001-139	2	C	3	CK	SA	A	SYS	C	M-0081-1	A-9	CC	RR	RV-00C	RJ-10A	
											CO	RR		RJ-10A	
		Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL													
2-1001-140	NS	C	3	SCK	SA	A	SYS	C	M-0081-1	A-9	CC	M3	RV-00C		
											CO	RR		RJ-10A	
		Valve Name RHR-CONDENSATE MAKEUP TRANSFER LINE ISOL													
2-1001-142A	2	C	2	CK	SA	A	SYS	O/C	M-0081-2	C-3	CC	SA			
											CO	SA			
		Valve Name RHR-A PUMP MINIMUM FLOW RECIRC LINE CHK													
2-1001-142B	2	C	2	CK	SA	A	SYS	O/C	M-0081-2	E-3	CC	SA			
											CO	SA			
		Valve Name RHR-B PUMP MINIMUM FLOW RECIRC LINE CHK													
2-1001-142C	2	C	2	CK	SA	A	SYS	O/C	M-0081-2	C-7	CC	SA			
											CO	SA			
		Valve Name RHR-C PUMP MINIMUM FLOW RECIRC LINE CHK													
2-1001-142D	2	C	2	CK	SA	A	SYS	O/C	M-0081-2	E-8	CC	SA			
											CO	SA			
		Valve Name RHR-D PUMP MINIMUM FLOW RECIRC LINE CHK													
2-1001-143A	NS	C	6	CK	SA	A	SYS	O	M-0081-3	F-5	CC	SA			TP-00J
											CO	SA			TP-00J
		Valve Name RHR SYSTEM DRAIN ISOLATION CHECK VALVE TRAIN A													
2-1001-143B	NS	C	6	CK	SA	A	SYS	O	M-0081-3	F-B	CC	SA			TP-00J
											CO	SA			TP-00J
		Valve Name RHR SYSTEM DRAIN ISOLATION CHECK VALVE TRAIN B													
2-1001-165A-RV	3	C	4	RV	SA	A	C	O	M-0079	A-2	RT	Y10			
		Valve Name RHR-A HT EXCHANGER THERMAL RELIEF VALVE													
2-1001-165B-RV	3	C	4	RV	SA	A	C	O	M-0079	A-9	RT	Y10			
		Valve Name RHR-B HT EXCHANGER THERMAL RELIEF VALVE													
2-1001-166A-RV	2	C	1	RV	SA	A	C	O	M-0081-2	B-2	RT	Y10			
		Valve Name RHR-A HT EXCHANGER THERMAL RELIEF VALVE													
2-1001-166B-RV	2	C	1	RV	SA	A	C	O	M-0081-2	B-9	RT	Y10			
		Valve Name RHR-B HT EXCHANGER THERMAL RELIEF VALVE													

Residual Heat Removal (Page 14)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1001-185	2	C	1	CK	SA	A	SYS	O/C	M-0081-1	B-09	CC	M3			
											CO	M3			
			Valve Name RHR-RHR KEEP FILL SUPPLY CHECK												
2-1001-185A-MO	3	B	12	GA	MO	P	SYS	O/C	M-0079	A-3	PI	Y2			
			Valve Name RHRSW-A LOOP RHR HT EXCHNGR FLUSH CONTRL												
2-1001-185B-MO	3	B	12	GA	MO	P	SYS	O/C	M-0079	A-8	PI	Y2			
			Valve Name RHRSW-B LOOP RHR HT EXCHNGR FLUSH CONTRL												
2-1001-186A-MO	3	B	12	GA	MO	P	SYS	O/C	M-0079	A-3	PI	Y2			
			Valve Name RHRSW-A LOOP RHR HT EXCHNGR FLUSH CONTRL												
2-1001-186B-MO	3	B	12	GA	MO	P	SYS	O/C	M-0079	A-8	PI	Y2			
			Valve Name RHRSW-B LOOP RHR HT EXCHNGR FLUSH CONTRL												
2-1001-187A-MO	3	B	12	GA	MO	P	SYS	O/C	M-0079	B-2	PI	Y2			
			Valve Name RHRSW-A LOOP RHR HT EXCHNGR FLUSH CONTRL												
2-1001-187B-MO	3	B	12	GA	MO	P	SYS	O/C	M-0079	B-9	PI	Y2			
			Valve Name RHRSW-B LOOP RHR HT EXCHNGR FLUSH CONTRL												
2-1099-092A-AO	2	B	1	DIA	AO	A	C	C	M-0081-2	B-2	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name RHR-A LOOP SAMPLING SELECT VALVE												
2-1099-092B-AO	2	B	1	DIA	AO	A	C	C	M-0081-2	B-9	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name RHR-B LOOP SAMPLING SELECT VALVE												
2-1099-166	NC	A	6	GA	M	P	C	C	M-0081-1	A-4	LT	AJ			TP-00G
			Valve Name RHR-FIRE PROTECTION SYSTEM SUPPLY ISOL												
2-1099-167-RV	2	A/C	0.75	RV	SA	A	C	O	M-0081-1	D-5	LT	AJ			TP-00G
											RT	Y10			
			Valve Name RHR-SHUTDOWN COOLING PCI VOLUME RELIEF												

Standby Liquid Control (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1101-001	1	B	1.5	GL	M	P	LO	O	M-0040	D-2	PI	Y2			
Valve Name SBLC-INJECTION LINE MANUAL ISOLATION															
1-1101-015	1	A/C	1.5	CK	SA	A	SYS	O/C	M-0040	D-2	CC	RR		RJ-11A	
											CO	RR		RJ-11A	
											CP	CS		RJ-11A	
											LT	AJ			TP-00G
Valve Name SBLC-INBOARD INJECTION LINE CHECK VALVE															
1-1101-016	1	A/C	1.5	CK	SA	A	SYS	O/C	M-0040	D-3	CC	RR		RJ-11A	
											CO	RR		RJ-11A	
											CP	CS		RJ-11A	
											LT	AJ			TP-00G
Valve Name SBLC-OUTBOARD INJECTION LINE CHECK VALVE															
1-1101-043A	2	B	1.5	CK	SA	A	C	O/C	M-0040	D-4	CC	M3			
											CO	M3			
Valve Name SBLC-A PUMP DISCHARGE CHECK VALVE															
1-1101-043B	2	B	1.5	CK	SA	A	C	O/C	M-0040	E-4	CC	M3			
											CO	M3			
Valve Name SBLC-B PUMP DISCHARGE CHECK VALVE															
1-1105A-RV	2	C	1	RV	SA	A	C	O	M-0040	C-5	RT	Y10			
Valve Name SBLC-A PUMP DISCHARGE RELIEF VALVE															
1-1105B-RV	2	C	1	RV	SA	A	C	O	M-0040	E-5	RT	Y10			
Valve Name SBLC-B PUMP DISCHARGE RELIEF VALVE															
1-1106A	2	D	1.5	SHR	EXP	A	CKL	O	M-0040	E-3	DT	SA			
Valve Name SBLC-A EXPLOSIVE ACTUATED (SQUIB) VALVE															
1-1106B	2	D	1.5	SHR	EXP	A	CKL	O	M-0040	F-3	DT	SA			
Valve Name SBLC-B EXPLOSIVE ACTUATED (SQUIB) VALVE															
2-1101-001	1	B	1.5	GL	M	P	LO	O	M-0082	D-10	PI	Y2			
Valve Name SBLC-INJECTION LINE MANUAL ISOLATION															
2-1101-015	1	A/C	1.5	CK	SA	A	SYS	O/C	M-0082	D-10	CC	RR		RJ-11A	
											CO	RR		RJ-11A	
											CP	CS		RJ-11A	
											LT	AJ			TP-00G
Valve Name SBLC-INBOARD INJECTION LINE CHECK VALVE															
2-1101-016	1	A/C	1.5	CK	SA	A	SYS	O/C	M-0082	D-9	CC	RR		RJ-11A	
											CO	RR		RJ-11A	
											CP	CS		RJ-11A	
											LT	AJ			TP-00G
Valve Name SBLC-OUTBOARD INJECTION LINE CHECK VALVE															

Standby Liquid Control (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1101-043A	2	B	1.5	CK	SA	A	C	O/C	M-0082	D-7	CC	M3			
											CO	M3			
		Valve Name	SBLC-A PUMP DISCHARGE CHECK VALVE												
2-1101-043B	2	B	1.5	CK	SA	A	C	O/C	M-0082	E-7	CC	M3			
											CO	M3			
		Valve Name	SBLC-B PUMP DISCHARGE CHECK VALVE												
2-1105A-RV	2	C	1	RV	SA	A	C	O	M-0082	D-6	RT	Y10			
		Valve Name	SBLC-A PUMP DISCHARGE RELIEF VALVE												
2-1105B-RV	2	C	1	RV	SA	A	C	O	M-0082	E-6	RT	Y10			
		Valve Name	SBLC-B PUMP DISCHARGE RELIEF VALVE												
2-1106A	2	D	1.5	SHR	EXP	A	CKL	O	M-0082	E-8	DT	SA			
		Valve Name	SBLC-A EXPLOSIVE ACTUATED (SQUIB) VALVE												
2-1106B	2	D	1.5	SHR	EXP	A	CKL	O	M-0082	F-8	DT	SA			
		Valve Name	SBLC-B EXPLOSIVE ACTUATED (SQUIB) VALVE												

Reactor Water Cleanup (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1201-002-MO	1	A	6	GA	MO	A	O	C	M-0047	B-6	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name RWCU-INBOARD PRIMARY CONT ISOLATION VLV												
1-1201-005-MO	1	A	6	GA	MO	A	O	C	M-0047	B-6	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name RWCU-OUTBOARD PRIMARY CONT ISOLATION VLV												
1-1201-080-MO	NS	B	4	GL	MO	A	O	C	M-0047	B-9	PI	Y2			
											SC	M3			
			Valve Name RWCU RETURN ISOLATION VALVE												
1-1299-087-RV	2	A/C	0.75	RV	SA	A	C	O	M-0047	B-6	LT	AJ			TP-00G
											RT	Y10			
			Valve Name RWCU-PCI VOLUME RELIEF												
2-1201-002-MO	1	A	6	GA	MO	A	O	C	M-0088	B-6	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name RWCU-INBOARD PRIMARY CONT ISOLATION VLV												
2-1201-005-MO	1	A	6	GA	MO	A	O	C	M-0088	B-6	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name RWCU-OUTBOARD PRIMARY CONT ISOLATION VLV												
2-1201-080-MO	NS	B	4	GL	MO	A	O	C	M-0088	B-9	PI	Y2			
											SC	M3			
			Valve Name RWCU RETURN ISOLATION VALVE												
2-1299-087-RV	2	A/C	0.75	RV	SA	A	C	O	M-0088	B-6	LT	AJ			TP-00G
											RT	Y10			
			Valve Name RWCU-PCI VOLUME RELIEF												

Reactor Core Isolation Cooling (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1301-009-RPD	NS	D	8	RPD	SA	A	C	O	M-0050	B-7	DT	Y5			
Valve Name RCIC-TURBINE EXHAUST LINE RUPTURE DISC															
1-1301-010-RPD	NS	D	8	RPD	SA	A	C	O	M-0050	B-7	DT	Y5			
Valve Name RCIC-TURBINE EXHAUST LINE RUPTURE DISC															
1-1301-012-AO	NS	N/A	1	GL	AO	A	C	C	M-0050	F-8	PI	Y2			
											SC	M3			
Valve Name RCIC VLV FROM CONDENSATE PMP TO REACTOR BLDG DRAIN															
1-1301-013-AO	NS	N/A	1	GL	AO	A	C	C	M-0050	G-8	PI	Y2			
											SC	M3			
Valve Name RCIC VLV FROM CONDENSATE PMP TO REACTOR BLDG DRAIN															
1-1301-015A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0050	B-1	CC	RR		RJ-00A	
											CO	OP			CTP98-02
											LT	Y10			
Valve Name RCIC-STEAM SUPPLY LINE EXCESS FLOW															
1-1301-015B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0050	B-1	CC	RR		RJ-00A	
											CO	OP			CTP98-02
											LT	Y10			
Valve Name RCIC-STEAM SUPPLY LINE EXCESS FLOW															
1-1301-016-MO	1	A	3	GA	MO	A	O	O/C	M-0050	C-2	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
Valve Name RCIC-TURB STEAM SUPPLY ISOLATION - PCIV															
1-1301-017-MO	1	A	3	GA	MO	A	O	O/C	M-0050	C-3	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
Valve Name RCIC-TURB STEAM SUPPLY ISOLATION - PCIV															
1-1301-022-MO	NS	B	6	GA	MO	A	O	O/C	M-0050	B-2	PI	Y2			
											SC	M3			TP-00A
											SO	M3			TP-00A
Valve Name RCIC-SUCTION SUPPLY LINE FROM CCST ISOL															
1-1301-023	NS	C	6	CK	SA	A	SYS	O/C	M-0050	B-3	CC	M3			
											CO	M3			
Valve Name RCIC-SUCTION SUPPLY LINE FROM CCST CHK															
1-1301-025-MO	NC	B	6	GA	MO	A	C	O/C	M-0050	G-3	PI	Y2			
											SC	M3			TP-00A, TP-00F
											SO	M3			TP-00A
Valve Name RCIC-SUCTION SUPPLY LINE FROM TORUS ISOL															

Reactor Core Isolation Cooling (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1301-026-MO	NC	B	6	GA	MO	A	C	O/C	M-0050	D-3	PI	Y2			
											SC	M3			TP-00A
											SO	M3			TP-00A
Valve Name RCIC-SUCTION SUPPLY LINE FROM TORUS ISOL															
1-1301-027	NS	C	6	CK	SA	A	SYS	O/C	M-0050	G-3	CC	CS		CS-13A	
											CC	SA			TP-00J
											CO	SA			TP-00J
Valve Name RCIC-SUCTION SUPPLY LINE FROM TORUS CHK															
1-1301-031-RV	NS	C	1	RV	SA	A	SYS	O	M-0050	A-4	RT	Y10			
Valve Name RCIC-SUCTION SUPPLY LINE RELIEF VLV															
1-1301-032-AO	NS	B	1	GL	AO	A	C	O	M-0050	B-10	FO	M3			TP-00C
											PI	Y2			
											SO	M3			
Valve Name RCIC-STEAM LINE DRAIN POT TRAP BYPASS															
1-1301-034-AO	NS	B	1	GL	AO	A	O	C	M-0050	C-9	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
Valve Name RCIC-STM LINE DRN POT DISCH TO MAIN COND															
1-1301-035-AO	NS	B	1	GL	AO	A	O	C	M-0050	C-9	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
Valve Name RCIC-STM LINE DRN POT DISCH TO MAIN COND															
1-1301-040	NC	A/C	2	CK	SA	A	SYS	C	M-0050	E-3	CC	RR		RJ-13A	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
Valve Name RCIC VACUUM PUMP DISCHARGE LINE TO TORUS CK VALVE															
1-1301-041	NC	A/C	8	CK	SA	A	SYS	O/C	M-0050	E-2	CC	RR		RJ-13A	
											CO	M3			
											LT	AJ			TP-00G
Valve Name RCIC-TURBINE EXHAUST LINE TO TORUS-PCIV															
1-1301-042-RV	NS	C	1.5	RV	SA	A	SYS	O	M-0050	E-6	RT	Y10			
Valve Name RCIC-LUBE OIL/BAROM COND CLNG RELIEF VLV															
1-1301-047	2	C	2	CK	SA	A	SYS	O/C	M-0050	D-7	CC	SA			TP-00J
											CO	SA			TP-00J
											CP	M3			
Valve Name RCIC-MINIMUM FLOW TO TORUS CHECK VALVE															
1-1301-048-MO	NS	B	4	GA	MO	A	O	O	M-0050	D-4	PI	Y2			
											SO	M3			TP-00A
Valve Name RCIC-INJECTION LINE TO FEEDWATER ISOL															

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Reactor Core Isolation Cooling (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1301-049-MO	NS	B	4	GA	MO	A	C	O	M-0050	D-3	PI	Y2			
											SO	M3			TP-00A
Valve Name RCIC-INJECTION LINE TO FEEDWATER ISOL															
1-1301-050	NS	C	4	CK	SA	A	SYS	O	M-0050	D-2	CC	RR		RJ-13B	
											CO	RR		RJ-13B	
Valve Name RCIC-INJECTION LINE TO FEEDWATER CHK VLV															
1-1301-053-MO	NS	B	4	GL	MO	A	C	C	M-0050	D-3	PI	Y2			
											SC	M3			
Valve Name RCIC-FULL FLOW TEST RETURN LINE TO CCST															
1-1301-055	2	A/C	2	SCK	SA	A	SYS	C	M-0050	E-2	CC	RR		RJ-13A	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
Valve Name RCIC-TURBINE DISCHARGE ISOL VALVE, PCIV															
1-1301-060-MO	NS	B	2	GL	MO	A	C	O/C	M-0050	D-6	PI	Y2			
											SC	M3			TP-00A
											SO	M3			TP-00A
Valve Name RCIC-MINIMUM FLOW RECIRC LINE ISOLATION															
1-1301-061-MO	NS	B	3	GL	MO	A	C	O/C	M-0050	A-9	PI	Y2			
											SC	M3			TP-00A
											SO	M3			TP-00A
Valve Name RCIC-STEAM SUPPLY BLOCKING VALVE															
1-1301-062-MO	NS	B	2	GL	MO	A	C	O	M-0050	D-6	PI	Y2			
											SO	M3			TP-00A
Valve Name RCIC-LUBE OIL/BARO CONDENSR COOLING ISOL															
1-1301-063	NS	C	2	CK	SA	A	SYS	C	M-0050	F-8	CC	SA			
											CO	OP			CTP01-01
Valve Name RCIC-BAROMETRIC CONDENSER RETURN CHK VLV															
1-1301-064	2	A/C	8	SCK	SA	A	SYS	O/C	M-0050	E-2	CC	RR		RJ-13A	
											CO	M3			
											LT	AJ			TP-00G
Valve Name RCIC-TURBINE DISCHARGE ISOL VALVE, PCIV															
1-1301-081	2	B	0.75	GL	M	A	LC	O	M-0050	B-4	SO	M3			
Valve Name RCIC VLV FROM ESS FILL SYSTEM PMP TO RCIC PMP															
1-1301-082	NS	C	0.75	CK	SA	A	SYS	O	M-0050	B-3	CC	OP			CTP01-01
											CO	M3			
Valve Name RCIC VLV FROM ESS FILL SYSTEM PMP TO RCIC PMP															
1-1399-102	NC	C	2	CK	SA	A	SYS	O/C	M-0050	F-2	CC	SA			TP-00J
											CO	SA			TP-00J
Valve Name RCIC-EXHAUST LINE VACUUM BREAKER															

Reactor Core Isolation Cooling (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1399-103	NC	C	2	CK	SA	A	SYS	O/C	M-0050	F-2	CC	SA			TP-00J
											CO	SA			TP-00J
Valve Name RCIC-EXHAUST LINE VACUUM BREAKER															
1-1399-151-RV	NS	C	1.25	RV	SA	A	C	O	M-0050	E-08	RT	Y10			
Valve Name RCIC-BAROMETRIC CONDENSER RELIEF VALVE															
2-1301-009-RPD	NS	D	8	RPD	SA	A	C	O	M-0089	B-7	DT	Y5			
Valve Name RCIC-TURBINE EXHAUST LINE RUPTURE DISC															
2-1301-010-RPD	NS	D	8	RPD	SA	A	C	O	M-0089	B-7	DT	Y5			
Valve Name RCIC-TURBINE EXHAUST LINE RUPTURE DISC															
2-1301-012-AO	NS	N/A	1	GL	AO	A	C	C	M-0089	F-8	PI	Y2			
											SC	M3			
Valve Name RCIC VLV FROM CONDENSATE PMP TO REACTOR BLDG DRAIN															
2-1301-013-AO	NS	N/A	1	GL	AO	A	C	C	M-0089	G-8	PI	Y2			
											SC	M3			
Valve Name RCIC VLV FROM CONDENSATE PMP TO REACTOR BLDG DRAIN															
2-1301-015A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0089	B-1	CC	RR		RJ-00A	
											CO	OP			CTP98-02
											LT	Y10			
Valve Name RCIC-STEAM SUPPLY LINE EXCESS FLOW															
2-1301-015B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0089	B-1	CC	RR		RJ-00A	
											CO	OP			CTP98-02
											LT	Y10			
Valve Name RCIC-STEAM SUPPLY LINE EXCESS FLOW															
2-1301-016-MO	1	A	3	GA	MO	A	O	O/C	M-0089	C-2	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
Valve Name RCIC-TURB STEAM SUPPLY ISOLATION - PCIV															
2-1301-017-MO	1	A	3	GA	MO	A	O	O/C	M-0089	C-3	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
Valve Name RCIC-TURB STEAM SUPPLY ISOLATION - PCIV															
2-1301-022-MO	NS	B	6	GA	MO	A	O	O/C	M-0089	B-2	PI	Y2			
											SC	M3			TP-00A
											SO	M3			TP-00A
Valve Name RCIC-SUCTION SUPPLY LINE FROM CCST ISOL															
2-1301-023	NS	C	6	CK	SA	A	SYS	O/C	M-0089	B-3	CC	M3			
											CO	M3			
Valve Name RCIC-SUCTION SUPPLY LINE FROM CCST CHK															

Reactor Core Isolation Cooling (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1301-025-MO	NC	B	6	GA	MO	A	C	O/C	M-0089	G-3	PI	Y2			
											SC	M3			TP-00A, TP-00F
											SO	M3			TP-00A
Valve Name RCIC-SUCTION SUPPLY LINE FROM TORUS ISOL															
2-1301-026-MO	NC	B	6	GA	MO	A	C	O/C	M-0089	D-4	PI	Y2			
											SC	M3			TP-00A
											SO	M3			TP-00A
Valve Name RCIC-SUCTION SUPPLY LINE FROM TORUS ISOL															
2-1301-027	NS	C	6	CK	SA	A	SYS	O/C	M-0089	G-3	CC	CS		CS-13A	
											CC	SA			TP-00J
											CO	SA			TP-00J
Valve Name RCIC-SUCTION SUPPLY LINE FROM TORUS CHK															
2-1301-031-RV	NS	C	1	RV	SA	A	SYS	O	M-0089	A-4	RT	Y10			
Valve Name RCIC-SUCTION SUPPLY LINE RELIEF VLV															
2-1301-032-AO	NS	B	1	GL	AO	A	C	O	M-0089	B-10	FO	M3			TP-00C
											PI	Y2			
											SO	M3			
Valve Name RCIC-STEAM LINE DRAIN POT TRAP BYPASS															
2-1301-034-AO	NS	B	1	GL	AO	A	O	C	M-0089	C-9	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
Valve Name RCIC-STM LINE DRN POT DISCH TO MAIN COND															
2-1301-035-AO	NS	B	1	GL	AO	A	O	C	M-0089	C-9	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
Valve Name RCIC-STM LINE DRN POT DISCH TO CONDENSER															
2-1301-040	NC	A/C	2	CK	SA	A	SYS	C	M-0089	E-3	CC	RR		RJ-13A	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
Valve Name RCIC VACUUM PUMP DISCHARGE LINE TO TORUS CK VALVE															
2-1301-041	NC	A/C	8	CK	SA	A	SYS	O/C	M-0089	E-2	CC	RR		RJ-13A	
											CO	M3			
											LT	AJ			TP-00G
Valve Name RCIC-TURBINE EXHAUST LINE TO TORUS-PCIV															
2-1301-042-RV	NS	C	1.5	RV	SA	A	SYS	O	M-0089	E-6	RT	Y10			
Valve Name RCIC-LUBE OIL/BAROM COND CLNG RELIEF VLV															

Reactor Core Isolation Cooling (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1301-047	2	C	2	CK	SA	A	SYS	O/C	M-0089	F-6	CC	SA			TP-00J
											CO	SA			TP-00J
											CP	M3			
Valve Name RCIC-MINIMUM FLOW TO TORUS CHECK VALVE															
2-1301-048-MO	NS	B	4	GA	MO	A	O	O	M-0089	D-4	PI	Y2			
											SO	M3			TP-00A
Valve Name RCIC-INJECTION LINE TO FEEDWATER ISOL															
2-1301-049-MO	NS	B	4	GA	MO	A	C	O	M-0089	D-3	PI	Y2			
											SO	M3			TP-00A
Valve Name RCIC-INJECTION LINE TO FEEDWATER ISOL															
2-1301-050	NS	C	4	CK	SA	A	SYS	O	M-0089	D-2	CC	RR		RJ-13B	
											CO	RR		RJ-13B	
Valve Name RCIC-INJECTION LINE TO FEEDWATER CHK VLV															
2-1301-053-MO	NS	B	4	GL	MO	A	C	C	M-0089	D-3	PI	Y2			
											SC	M3			TP-00A
Valve Name RCIC-FULL FLOW TEST RETURN LINE TO CCST															
2-1301-055	2	A/C	2	SCK	SA	A	SYS	C	M-0089	E-2	CC	RR		RJ-13A	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
Valve Name RCIC-TURBINE DISCHARGE ISOL VALVE, PCIV															
2-1301-060-MO	NS	B	2	GL	MO	A	C	O/C	M-0089	D-5	PI	Y2			
											SC	M3			TP-00A
											SO	M3			TP-00A
Valve Name RCIC-MINIMUM FLOW RECIRC LINE ISOLATION															
2-1301-061-MO	NS	B	3	GL	MO	A	C	O/C	M-0089	A-9	PI	Y2			
											SC	M3			TP-00A
											SO	M3			TP-00A
Valve Name RCIC-STEAM SUPPLY BLOCKING VALVE															
2-1301-062-MO	NS	B	2	GL	MO	A	C	O	M-0089	D-6	PI	Y2			
											SO	M3			TP-00A
Valve Name RCIC-LUBE OIL/BARO CONDENSR COOLING ISOL															
2-1301-063	NS	C	2	CK	SA	A	SYS	C	M-0089	F-8	CC	M3			
											CO	OP			CTP01-01
Valve Name RCIC-BAROMETRIC CONDENSER RETURN CHK VLV															
2-1301-064	2	A/C	8	SCK	SA	A	SYS	O/C	M-0089	E-2	CC	RR		RJ-13A	
											CO	M3			
											LT	AJ			TP-00G
Valve Name RCIC-TURBINE DISCHARGE ISOL VALVE, PCIV															

Reactor Core Isolation Cooling (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1301-081	2	B	0.75	GL	M	A	LC	O	M-0089	B-4	SO	M3			
			Valve Name RCIC VLV FROM ESS FILL SYSTEM PMP TO RCIC PMP												
2-1301-082	NS	C	0.75	CK	SA	A	SYS	O	M-0089	B-3	CC	OP			CTP01-01
											CO	M3			
			Valve Name RCIC VLV FROM ESS FILL SYSTEM PMP TO RCIC PMP												
2-1399-102	NC	C	2	CK	SA	A	SYS	O/C	M-0089	F-2	CC	SA			TP-00J
											CO	SA			TP-00J
			Valve Name RCIC-EXHAUST LINE VACUUM BREAKER												
2-1399-103	NC	C	2	CK	SA	A	SYS	O/C	M-0089	F-2	CC	SA			TP-00J
											CO	SA			TP-00J
			Valve Name RCIC-EXHAUST LINE VACUUM BREAKER												
2-1399-151-RV	NS	C	1.25	RV	SA	A	C	O	M-0089	E-8	RT	Y10			
			Valve Name RCIC-BAROMETRIC CONDENSER RELIEF VALVE												

Core Spray (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1402-003A-MO	2	B	18	GA	MO	A	O	O/C	M-0036	G-6	PI	Y2			
											SC	M3			TP-00F
											SO	M3			
Valve Name CORE SPRAY-TORUS SUCTION LINE ISOLATION															
1-1402-003B-MO	2	B	18	GA	MO	A	O	O/C	M-0036	F-5	PI	Y2			
											SC	M3			TP-00F
											SO	M3			
Valve Name CORE SPRAY-TORUS SUCTION LINE ISOLATION															
1-1402-004A-MO	2	B	8	GL	MO	A	C	C	M-0036	A-8	PI	Y2			
											SC	M3			
Valve Name CORE SPRAY-TEST RETURN TO TORUS															
1-1402-004B-MO	2	B	8	GL	MO	A	C	C	M-0036	B-8	PI	Y2			
											SC	M3			
Valve Name CORE SPRAY-TEST RETURN TO TORUS															
1-1402-006A	1	B	10	GA	M	P	LO	O	M-0036	C-3	PI	Y2			
Valve Name CORE SPRAY-INJECTION LINE MANUAL ISOL															
1-1402-006B	1	B	10	GA	M	P	LO	O	M-0036	C-4	PI	Y2			
Valve Name CORE SPRAY-INJECTION LINE MANUAL ISOL															
1-1402-008A	2	C	12	SCK	SA	A	SYS	O/C	M-0036	D-9	CC	M3			
											CO	M3			
Valve Name CORE SPRAY-PUMP DISCHARGE CHECK VALVE															
1-1402-008B	2	C	12	SCK	SA	A	SYS	O/C	M-0036	D-6	CC	M3			
											CO	M3			
Valve Name CORE SPRAY-PUMP DISCHARGE CHECK VALVE															
1-1402-009A	1	A/C	10	CK	SA	A	SYS	O/C	M-0036	C-3	CC	RR		RJ-00B	
											CO	CS		CS-00A	
											LT	Y2			
Valve Name CORE SPRAY-REACTOR VESSEL INJECTION CHK															
1-1402-009B	1	A/C	10	CK	SA	A	SYS	O/C	M-0036	C-4	CC	RR		RJ-00B	
											CO	CS		CS-00A	
											LT	Y2			
Valve Name CORE SPRAY-REACTOR VESSEL INJECTION CHK															
1-1402-013A	2	C	1.5	SCK	SA	A	SYS	O	M-0036	D-10	CC	SA			
											CO	SA			
											CP	M3			
Valve Name CORE SPRAY-MINIMUM FLOW RECIRC LINE CHK															

Core Spray (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1402-013B	2	C	1.5	SCK	SA	A	SYS	O	M-0036	E-6	CC	SA			
											CO	SA			
											CP	M3			
			Valve Name CORE SPRAY-MINIMUM FLOW RECIRC LINE CHK												
1-1402-024A-MO	2	A	10	GA	MO	A	O	O/C	M-0036	B-2	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CORE SPRAY-INJECTION LINE ISOLATION VLV												
1-1402-024B-MO	2	A	10	GA	MO	A	O	O/C	M-0036	B-5	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CORE SPRAY-INJECTION LINE ISOLATION VLV												
1-1402-025A-MO	1	A	10	GA	MO	A	C	O/C	M-0036	C-2	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CORE SPRAY-REACTOR VESSEL INJECTION VLV												
1-1402-025B-MO	1	A	10	GA	MO	A	C	O/C	M-0036	C-5	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CORE SPRAY-REACTOR VESSEL INJECTION VLV												
1-1402-028A-RV	2	C	2	RV	SA	A	C	O	M-0036	B-8	RT	Y10			
			Valve Name CORE SPRAY-DISCHARGE LINE RELIEF VALVE												
1-1402-028B-RV	2	C	2	RV	SA	A	C	O	M-0036	C-6	RT	Y10			
			Valve Name CORE SPRAY-DISCHARGE LINE RELIEF VALVE												
1-1402-031A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0036	D-3	CC	RR		RJ-00A	
											LT	Y10			
			Valve Name CS PUMP,DPIS-1-1459A LOW SIDE EXC FLOW												
1-1402-031B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0036	D-4	CC	RR		RJ-00A	
											LT	Y10			
			Valve Name CS PUMP,DPIS-1-1459B LOW SIDE EXC FLOW												
1-1402-038A-MO	2	B	1.5	GA	MO	A	C	O/C	M-0036	C-8	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CORE SPRAY-MINIMUM FLOW RECIRC LINE ISOL												

Core Spray (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1402-038B-MO	2	B	1.5	GA	MO	A	C	O/C	M-0036	E-8	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CORE SPRAY-MINIMUM FLOW RECIRC LINE ISOL												
1-1402-064A	2	C	0.75	CK	SA	A	SYS	O/C	M-0036	D-9	CC	M3	RV-00C		
											CO	M3			
			Valve Name CORE SPRAY-ECCS KEEP FILL SUPPLY CHK VLV												
1-1402-064B	2	C	0.75	CK	SA	A	SYS	O/C	M-0036	D-5	CC	M3	RV-00C		
											CO	M3			
			Valve Name CORE SPRAY-ECCS KEEP FILL SUPPLY CHK VLV												
1-1402-065A	2	C	0.75	SCK	SA	A	SYS	O/C	M-0036	D-9	CC	M3	RV-00C		
											CO	M3			
			Valve Name CORE SPRAY-ECCS KEEP FILL SUPPLY CHK VLV												
1-1402-065B	2	C	0.75	SCK	SA	A	SYS	O/C	M-0036	C-5	CC	M3	RV-00C		
											CO	M3			
			Valve Name CORE SPRAY-ECCS KEEP FILL SUPPLY CHK VLV												
1-1402-071	2	C	1.5	CK	SA	A	SYS	C	M-0036	D-6	CC	RR		RJ-14A	
											CO	OP			CTP01-01
			Valve Name CORE SPRAY-COND MAKEUP XFER LINE ISOL												
2-1402-003A-MO	2	B	18	GA	MO	A	O	O/C	M-0078	F-7	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CORE SPRAY-TORUS SUCTION LINE ISOLATION												
2-1402-003B-MO	2	B	18	GA	MO	A	O	O/C	M-0078	F-5	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CORE SPRAY-TORUS SUCTION LINE ISOLATION												
2-1402-004A-MO	2	B	8	GL	MO	A	C	C	M-0078	A-8	PI	Y2			
											SC	M3			
			Valve Name CORE SPRAY-TEST RETURN TO TORUS												
2-1402-004B-MO	2	B	8	GL	MO	A	C	C	M-0078	B-8	PI	Y2			
											SC	M3			
			Valve Name CORE SPRAY-TEST RETURN TO TORUS												
2-1402-006A	1	B	10	GA	M	P	LO	O	M-0078	C-3	PI	Y2			
			Valve Name CORE SPRAY-INJECTION LINE MANUAL ISOL												
2-1402-006B	1	B	10	GA	M	P	LO	O	M-0078	C-4	PI	Y2			
			Valve Name CORE SPRAY-INJECTION LINE MANUAL ISOL												

Core Spray (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1402-008A	2	C	12	SCK	SA	A	SYS	O/C	M-0078	D-9	CC	M3			
											CO	M3			
			Valve Name CORE SPRAY-PUMP DISCHARGE CHECK VALVE												
2-1402-008B	2	C	12	SCK	SA	A	SYS	O/C	M-0078	D-6	CC	M3			
											CO	M3			
			Valve Name CORE SPRAY-PUMP DISCHARGE CHECK VALVE												
2-1402-009A	1	A/C	10	CK	SA	A	SYS	O/C	M-0078	C-3	CC	RR		RJ-00B	
											CO	CS		CS-00A	
											LT	Y2			
			Valve Name CORE SPRAY-REACTOR VESSEL INJECTION CHK												
2-1402-009B	1	A/C	10	CK	SA	A	SYS	O/C	M-0078	C-4	CC	RR		RJ-00B	
											CO	CS		CS-00A	
											LT	Y2			
			Valve Name CORE SPRAY-REACTOR VESSEL INJECTION CHK												
2-1402-013A	2	C	1.5	SCK	SA	A	SYS	O	M-0078	D-10	CC	SA			
											CO	SA			
											CP	M3			
			Valve Name CORE SPRAY-MINIMUM FLOW RECIRC LINE CHK												
2-1402-013B	2	C	1.5	SCK	SA	A	SYS	O	M-0078	D-6	CC	SA			
											CO	SA			
											CP	M3			
			Valve Name CORE SPRAY-MINIMUM FLOW RECIRC LINE CHK												
2-1402-024A-MO	2	A	10	GA	MO	A	O	O/C	M-0078	A-2	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CORE SPRAY-INJECTION LINE ISOLATION VLV												
2-1402-024B-MO	2	A	10	GA	MO	A	O	O/C	M-0078	B-5	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CORE SPRAY-INJECTION LINE ISOLATION VLV												
2-1402-025A-MO	1	A	10	GA	MO	A	C	O/C	M-0078	C-2	LT	AJ			TP-00G
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CORE SPRAY-REACTOR VESSEL INJECTION VLV												

Core Spray (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1402-025B-MO	1	A	10	GA	MO	A	C	O/C	M-0078	C-5	LT	AJ			TP-00G
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
				Valve Name CORE SPRAY-REACTOR VESSEL INJECTION VLV											
2-1402-028A-RV	2	C	2	RV	SA	A	C	O	M-0078	B-9	RT	Y10			
				Valve Name CORE SPRAY-DISCHARGE OVERPRESSURE PROT											
2-1402-028B-RV	2	C	2	RV	SA	A	C	O	M-0078	C-6	RT	Y10			
				Valve Name CORE SPRAY-DISCHARGE OVERPRESSURE PROT											
2-1402-031A	1	A/C	0.5	XFC	SA	A	SYS	C	M-0078	D-3	CC	RR		RJ-00A	
											LT	Y10			
				Valve Name CS PUMP,DPIS-1-1459A LOW SIDE EXC FLOW											
2-1402-031B	1	A/C	0.5	XFC	SA	A	SYS	C	M-0078	D-4	CC	RR		RJ-00A	
											LT	Y10			
				Valve Name CS PUMP,DPIS-1-1459B LOW SIDE EXC FLOW											
2-1402-038A-MO	2	B	1.5	GA	MO	A	C	O/C	M-0078	C-8	PI	Y2			
											SC	M3			
											SO	M3			
				Valve Name CORE SPRAY-MINIMUM FLOW RECIRC LINE ISOL											
2-1402-038B-MO	2	B	1.5	GA	MO	A	C	O/C	M-0078	D-7	PI	Y2			
											SC	M3			
											SO	M3			
				Valve Name CORE SPRAY-MINIMUM FLOW RECIRC LINE ISOL											
2-1402-064A	2	C	0.75	CK	SA	A	SYS	O/C	M-0078	C-10	CC	M3	RV-00C		
											CO	M3			
				Valve Name CORE SPRAY-ECCS KEEP FILL SUPPLY CHK VLV											
2-1402-064B	2	C	0.75	CK	SA	A	SYS	O/C	M-0078	B-6	CC	M3	RV-00C		
											CO	M3			
				Valve Name CORE SPRAY-ECCS KEEP FILL SUPPLY CHK VLV											
2-1402-065A	2	C	0.75	SCK	SA	A	SYS	O/C	M-0078	C-10	CC	M3	RV-00C		
											CO	M3			
				Valve Name CORE SPRAY-ECCS KEEP FILL SUPPLY CHK VLV											
2-1402-065B	2	C	0.75	SCK	SA	A	SYS	O/C	M-0078	B-6	CC	M3	RV-00C		
											CO	M3			
				Valve Name CORE SPRAY-ECCS KEEP FILL SUPPLY CHK VLV											
2-1402-070	2	C	1.5	CK	SA	A	SYS	C	M-0078	D-7	CC	RR		RJ-14A	
											CO	OP			CTP01-01
				Valve Name CORE SPRAY-COND MAKEUP XFER LINE ISOL											

Pressure Suppression (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1601-020A-AO	NC	A	20	BTF	AO	A	C	O/C	M-0034-1	C-9	FO	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name PRESS SUPP-PRIMARY/SECNDARY CONT VAC BKR												
1-1601-020B-AO	NC	A	20	BTF	AO	A	C	O/C	M-0034-1	D-9	FO	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name PRESS SUPP-PRIMARY/SECNDARY CONT VAC BKR												
1-1601-021-AO	NC	A	18	BTF	AO	A	C	C	M-0034-1	B-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-DRYWELL INERT & PURGE												
1-1601-022-AO	NC	A	18	BTF	AO	A	C	C	M-0034-1	B-8	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-DRYWELL INERT & PURGE												
1-1601-023-AO	NC	A	18	BTF	AO	A	C	C	M-0034-1	B-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-DRYWELL VENT												
1-1601-024-AO	NC	A	18	BTF	AO	A	C	C	M-0034-1	B-1	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-DW/TORUS VENT TO RX BLDG												
1-1601-031A	NC	A/C	20	CK	SA	A	SYS	O/C	M-0034-1	C-10	CC	M3			
											CO	M3			
											LT	AJ			TP-00G
			Valve Name PRESS SUPP-PRIMARY/SECNDARY CONT VAC BKR												
1-1601-031B	NC	A/C	20	CK	SA	A	SYS	O/C	M-0034-1	D-10	CC	M3			
											CO	M3			
											LT	AJ			TP-00G
			Valve Name PRESS SUPP-PRIMARY/SECNDARY CONT VAC BKR												

Pressure Suppression (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1601-032A	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-2	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
1-1601-032B	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-2	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
1-1601-032C	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-2	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
1-1601-032D	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-2	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
1-1601-032E	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-3	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
1-1601-032F	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-3	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
1-1601-033A	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
1-1601-033B	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												

Pressure Suppression (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1601-033C	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
		Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER													
1-1601-033D	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
		Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER													
1-1601-033E	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
		Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER													
1-1601-033F	NC	A/C	18	CK	SA	A	SYS	O/C	M-0034-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
		Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER													
1-1601-055-AO	NC	A	4	GA	AO	A	O	C	M-0034-1	A-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PRESS SUPP-N2 MAKE-UP/PUMPBACK SUCTION													
1-1601-056-AO	NC	A	18	BTF	AO	A	O	C	M-0034-1	C-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PRESS SUPP-CONTAINMENT INERT/PUMPBK SUCT													
1-1601-057-MO	NC	A	1	GL	MO	A	O	C	M-0034-1	B-9	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PRESS SUPP-N2 MAKE-UP/PUMPBACK DISCH													
1-1601-058-AO	NC	A	1	GL	AO	A	C	C	M-0034-1	C-8	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PRESS SUPP-N2 MU/PUMPBK ISOL FROM TORUS													

Pressure Suppression (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-1601-059-AO	NC	A	1	GL	AO	A	O	C	M-0034-1	C-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-N2 MAKE-UP/PUMPBK DISCH												
1-1601-060-AO	NC	A	18	BTF	AO	A	C	C	M-0034-1	E-1	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-TORUS VENT												
1-1601-061-AO	NC	A	2	GL	AO	A	C	C	M-0034-1	F-1	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-TORUS VENT BYPASS & SBGT SUCT												
1-1601-062-AO	NC	A	2	GL	AO	A	C	C	M-0034-1	A-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-DW VENT BYPASS & SBGT SUCTION												
1-1601-063-AO	NC	A	6	BTF	AO	A	C	C	M-0034-1	A-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-SBGT CONNECT TO PRIMARY CONT												
1-1699-009-RV	NC	A/C	1.5	RV	SA	A	C	O/C	M-0034-1	B-8	LT	AJ			TP-00G
											RT	Y10			
			Valve Name PRESS SUPP-N2 MAKE-UP RELIEF VALVE												
2-1601-020A-AO	NC	A	20	BTF	AO	A	C	O/C	M-0076-1	C-9	FO	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name PRESS SUPP-PRIMARY/SECNDARY CONT VAC BKR												
2-1601-020B-AO	NC	A	20	BTF	AO	A	C	O/C	M-0076-1	D-9	FO	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name PRESS SUPP-PRIMARY/SECNDARY CONT VAC BKR												

Pressure Suppression (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1601-021-AO	NC	A	18	BTF	AO	A	C	C	M-0076-1	C-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-DRYWELL INERT & PURGE												
2-1601-022-AO	NC	A	18	BTF	AO	A	C	C	M-0076-1	C-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-DRYWELL INERT & PURGE												
2-1601-023-AO	NC	A	18	BTF	AO	A	C	C	M-0076-1	B-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-DRYWELL VENT												
2-1601-024-AO	NC	A	18	BTF	AO	A	C	C	M-0076-1	A-1	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-DW/TORUS VENT TO RX BLDG												
2-1601-031A	NC	A/C	20	CK	SA	A	SYS	O/C	M-0076-1	C-10	CC	M3			
											CO	M3			
											LT	AJ			TP-00G
			Valve Name PRESS SUPP-PRIMARY/SECNDARY CONT VAC BKR												
2-1601-031B	NC	A/C	20	CK	SA	A	SYS	O/C	M-0076-1	D-10	CC	M3			
											CO	M3			
											LT	AJ			TP-00G
			Valve Name PRESS SUPP-PRIMARY/SECNDARY CONT VAC BKR												
2-1601-032A	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-2	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
2-1601-032B	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-2	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												

Pressure Suppression (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1601-032C	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-2	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
2-1601-032D	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-2	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
2-1601-032E	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-3	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
2-1601-032F	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-3	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
2-1601-033A	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
2-1601-033B	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
2-1601-033C	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
2-1601-033D	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												

Pressure Suppression (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1601-033E	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
2-1601-033F	NC	A/C	18	CK	SA	A	SYS	O/C	M-0076-1	E-7	CC	M3			
											CO	M3			
											LT	RR			TP-16A
											PI	Y2			
			Valve Name PRESS SUPP-DW/TORUS VACUUM BREAKER												
2-1601-055-AO	NC	A	4	GA	AO	A	O	C	M-0076-1	A-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-N2 MAKE-UP/PUMPBACK SUCTION												
2-1601-056-AO	NC	A	18	BTF	AO	A	O	C	M-0076-1	C-8	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-CONTAINMENT INERT/PUMPBK SUCT												
2-1601-057-MO	NC	A	1	GL	MO	A	O	C	M-0076-1	B-8	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-N2 MAKE-UP/PUMPBACK DISCH												
2-1601-058-AO	NC	A	1	GL	AO	A	C	C	M-0076-1	C-8	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-N2 MU/PUMPBK ISOL FROM TORUS												
2-1601-059-AO	NC	A	1	GL	AO	A	O	C	M-0076-1	C-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-N2 MAKEUP/PUMPBK DISCH												
2-1601-060-AO	NC	A	18	BTF	AO	A	C	C	M-0076-1	E-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-TORUS VENT												

Pressure Suppression (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-1601-061-AO	NC	A	2	GL	AO	A	C	C	M-0076-1	F-1	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-TORUS VENT BYPASS & SBGT SUCT												
2-1601-062-AO	NC	A	2	GL	AO	A	C	C	M-0076-1	B-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-DW VENT BYPASS & SBGT SUCTION												
2-1601-063-AO	NC	A	6	BTF	AO	A	C	C	M-0076-1	A-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PRESS SUPP-SBGT CONNECT TO PRIMARY CONT												
2-1699-009-RV	NC	A/C	1.5	RV	SA	A	C	O/C	M-0076-1	B-8	LT	AJ			TP-00G
											RT	Y10			
			Valve Name PRESS SUPP-N2 MAKE-UP RELIEF VALVE												

Reactor Building Equipment Drains (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-2001-003-AO	NC	A	3	PLG	AO	A	C	C	M-0043	F-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name DRYWELL FLOOR DRAIN-PCIV												
1-2001-004-AO	NC	A	3	PLG	AO	A	C	C	M-0043	F-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name DRYWELL FLOOR DRAIN-PCIV												
1-2001-015-AO	NC	A	3	GA	AO	A	C	C	M-0043	D-4	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name DRYWELL EQUIPMENT DRAIN-PCIV												
1-2001-016-AO	NC	A	3	GA	AO	A	C	C	M-0043	E-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name DRYWELL EQUIPMENT DRAIN-PCIV												
1-2099-907-RV	NC	C	0.75	RV	SA	A	C	O	M-0043	F-6	RT	Y10			
			Valve Name REACTOR BLDG EQUIPMENT DRAINS RELIEF VALVE												
1-2099-908-RV	NC	C	0.75	RV	SA	A	C	O	M-0043	E-4	RT	Y10			
			Valve Name REACTOR BLDG EQUIPMENT DRAINS RELIEF VALVE												
2-2001-003-AO	NC	A	3	PLG	AO	A	C	C	M-0085	F-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name DRYWELL FLOOR DRAIN-PCIV												
2-2001-004-AO	NC	A	3	PLG	AO	A	C	C	M-0085	F-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name DRYWELL FLOOR DRAIN-PCIV												
2-2001-015-AO	NC	A	3	GA	AO	A	C	C	M-0085	D-4	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name DRYWELL EQUIPMENT DRAIN-PCIV												

Reactor Building Equipment Drains (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-2001-016-AO	NC	A	3	GA	AO	A	C	C	M-0085	D-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			

Valve Name DRYWELL EQUIPMENT DRAIN-PCIV

High Pressure Coolant Injection (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-2301-003-MO	2	B	10	GA	MO	A	C	O	M-0046-2	A-6	PI	Y2			
											SO	M3			
			Valve Name HPCI-STEAM SUPPLY/BLOCKING VALVE												
1-2301-004-MO	1	A	10	GA	MO	A	O	O/C	M-0046-2	E-7	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name HPCI-INBOARD STEAM SUPPLY FROM RPV-PCIV												
1-2301-005-MO	1	A	10	GA	MO	A	O	O/C	M-0046-2	C-9	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name HPCI-OUTBOARD STEAM SUPPLY FROM RPV-PCIV												
1-2301-006-MO	NC	B	16	GA	MO	A	O	O/C	M-0046-1	G-1	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name HPCI-SUCTION SUPPLY LINE FROM CCST ISOL												
1-2301-007	2	C	14	CK	SA	A	SYS	O	M-0046-1	E-9	CC	RR		RJ-23B	
											CO	RR		RJ-23B	
			Valve Name HPCI-INJECTION LINE TO FEEDWATER CHK VLV												
1-2301-008-MO	2	B	14	GA	MO	A	C	O/C	M-0046-1	E-8	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name HPCI-INJECTION LINE TO FEEDWATER ISOL												
1-2301-009-MO	2	B	14	GA	MO	A	O	O	M-0046-1	E-7	PI	Y2			
											SO	M3			
			Valve Name HPCI-INJECTION LINE TO FEEDWATER ISOL												
1-2301-010-MO	2	B	12	GL	MO	A	C	C	M-0046-1	F-7	PI	Y2			
											SC	M3			
			Valve Name HPCI-FULL FLOW TEST RETURN TO CCST												
1-2301-014-MO	2	B	4	GL	MO	A	C	C	M-0046-1	C-7	PI	Y2			
											SC	M3			
			Valve Name HPCI-MINIMUM FLOW RECIRC LINE ISOLATION												
1-2301-020	2	C	16	CK	SA	A	SYS	O/C	M-0046-1	F-1	CC	M3			
											CO	M3			
			Valve Name HPCI-SUCTION SUPPLY LINE FROM CCST CHK												
1-2301-023-RV	2	C	1.5	RV	SA	A	C	O	M-0046-1	A-2	RT	Y10			
			Valve Name HPCI-BOOSTER PUMP SUCT LINE RELIEF VLV												

High Pressure Coolant Injection (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-2301-026	1	A/C	0.5	XFC	SA	A	SYS	C	M-0046-2	F-9	CC	RR		RJ-00A	
											LT	Y10			
				Valve Name HPCI-STM SUPPLY DP/P HI SIDE EXCESS FLOW											
1-2301-027	1	A/C	0.5	XFC	SA	A	SYS	C	M-0046-2	F-9	CC	RR		RJ-00A	
											LT	Y10			
				Valve Name HPCI-STM SUPPLY DP/P LO SIDE EXCESS FLOW											
1-2301-028-AO	2	B	1	GL	AO	A	C	O	M-0046-2	C-7	FO	M3			TP-00C
											PI	Y2			
											SO	M3			
				Valve Name HPCI-SUPPLY STM TRAP TO STM EXH DRN POT											
1-2301-029-AO	2	B	1	GL	AO	A	O	C	M-0046-2	C-7	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
				Valve Name HPCI-STM LINE DRN POT TO MAIN CONDENSER											
1-2301-032-SO	2	B	1	GL	SO	A	C	O	M-0046-2	D-2	SO	M3	RV-23A		
				Valve Name HPCI-EXH LINE DRN POT/GLND SEAL COND SOL											
1-2301-034	2	A/C	2	CK	SA	A	SYS	O/C	M-0046-2	D-4	CC	RR		RJ-23A	
											CO	M3			
											LT	AJ			TP-00G
				Valve Name HPCI-EXH LINE DRN POT DISCH TO TORUS CHK											
1-2301-035-MO	2	B	16	GA	MO	A	C	O/C	M-0046-1	F-1	PI	Y2			
											SC	M3			
											SO	M3			
				Valve Name HPCI-SUCTION SUPPLY LINE FROM TORUS ISOL											
1-2301-036-MO	2	B	16	GA	MO	A	C	O/C	M-0046-1	F-3	PI	Y2			
											SC	M3			TP-00F
											SO	M3			
				Valve Name HPCI-SUCTION SUPPLY LINE FROM TORUS ISOL											
1-2301-039	2	C	16	CK	SA	A	SYS	O/C	M-0046-1	F-2	CC	SA			TP-00J
											CO	SA			TP-00J
											CP	CS			
				Valve Name HPCI-SUCTION SUPPLY LINE FROM TORUS CHK											
1-2301-040	2	C	4	CK	SA	A	SYS	O	M-0046-1	C-8	CC	SA			TP-00J
											CO	SA			TP-00J
											CP	M3			
				Valve Name HPCI-MINIMUM FLOW RECIRC LINE CHK VLV											
1-2301-045	2	C	24	CK	SA	A	SYS	O/C	M-0046-2	C-5	CC	RR		RJ-23A	
											CO	M3			
				Valve Name HPCI-TURBINE EXHAUST TO TORUS CHK VLV											

High Pressure Coolant Injection (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-2301-048-MO	2	B	4	GA	MO	A	O	O	M-0046-1	B-4	PI	Y2			
											SO	M3			
			Valve Name HPCI-LUBE OIL/GLAND SEAL CLG WTR RETURN												
1-2301-049-MO	2	B	4	GA	MO	A	C	C	M-0046-1	E-6	PI	Y2			
											SC	M3			
			Valve Name HPCI-LUBE OIL/GLAND SEAL CLG WTR RETURN												
1-2301-050	2	C	4	CK	SA	A	SYS	O	M-0046-1	D-5	CC	SA			TP-00J
											CO	SA			TP-00J
											CP	M3			
			Valve Name HPCI-LUBE OIL CLR/GS COND TO BSTR PMP CK												
1-2301-051	2	C	4	CK	SA	A	SYS	C	M-0046-1	D-5	CC	M3			
											CO	OP			CTP01-01
			Valve Name HPCI-GLAND SEAL/LUBE OIL COOLING PUMP CK												
1-2301-053-RV	2	C	4	RV	SA	A	C	O	M-0046-1	C-3	RT	Y10			
			Valve Name HPCI GLAND SEAL/LUBE OIL LINE RELIEF VLV												
1-2301-064-AO	2	B	1	GL	AO	A	O	C	M-0046-2	A-5	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name HPCI-STOP VALVE ABOVE SEAT DRAIN DISCH												
1-2301-065-AO	NC	N/A	1	GL	AO	N/A	O	N/A	M-0046-2	A-6	PI	Y2			
			Valve Name HPCI-STOP VALVE ABOVE SEAT DRAIN DISCH												
1-2301-068-RPD	2	D	16	RPD	SA	A	C	O	M-0046-2	A-4	DT	Y5			
			Valve Name HPCI-TURB EXHAUST LINE RUPTURE DIAPHRAGM												
1-2301-069-RPD	NS	D	16	RPD	SA	A	C	O	M-0046-2	A-4	DT	Y5			
			Valve Name HPCI-TURB EXHAUST LINE RUPTURE DIAPHRAGM												
1-2301-071	2	A/C	2	SCK	SA	A	SYS	O/C	M-0046-2	E-4	CC	RR		RJ-23A	
											CO	M3			
											LT	AJ			TP-00G
			Valve Name HPCI-EXH LINE DRN POT DISCH TO TORUS SCK												
1-2301-074	2	C	12	SCK	SA	A	SYS	O	M-0046-2	D-5	CC	RR		RJ-23A	
											CO	M3			
			Valve Name HPCI-TURBINE EXHAUST TO TORUS STOP CHECK												
1-2301-075	2	C	4	CK	SA	A	SYS	O	M-0046-1	E-3	CC	SA			TP-00J
											CO	SA			TP-00J
											CP	M3			
			Valve Name HPCI-CCST TO GLAND SEAL/LUBE OIL CLR CHK												
1-2301-076	2	C	2	CK	SA	A	SYS	O/C	M-0046-1	E-3	CC	M3			
											CO	M3			
			Valve Name HPCI-GLAND SEAL CONDENSATE PMP DISCH CHK												

High Pressure Coolant Injection (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-2301-107	2	B	0.75	GL	M	A	LC	O	M-0046-1	B-1	SO	M3			
			Valve Name HPCI-KEEP FILL SUPPLY ISOLATION VALVE												
1-2301-108	2	B	0.75	GL	M	A	C	O	M-0046-1	B-1	SO	M3			
			Valve Name HPCI-KEEP FILL SUPPLY ISOLATION VALVE												
1-2317-HO	2	B	10	PPT	HO	A	C	O/C	M-0046-2	A-5	FC	M3			TP-00C
											PI	Y2			
											SC	M3			CTP00-04
											SO	M3			CTP00-04
			Valve Name HPCI-TURBINE STOP VALVE												
1-2399-013	2	B	0.75	GL	M	A	C	O	M-0046-1	C-1	SO	M3			
			Valve Name HPCI-KEEP FILL SUPPLY ISOLATION VALVE												
1-2399-040-MO	NC	A	4	GA	MO	A	O	O/C	M-0046-2	E-6	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name HPCI-TURB EXH VAC BREAKER LINE ISOL-PCIV												
1-2399-041-MO	2	A	4	GA	MO	A	O	O/C	M-0046-2	D-6	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name HPCI-TURB EXH VAC BREAKER LINE ISOL-PCIV												
1-2399-042	NC	C	1.5	CK	SA	A	SYS	C	M-0046-3	A-3	CC	M3			CTP00-04
											CO	N/A			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL SUPPLY CHK												
1-2399-043	NC	C	2.5	CK	SA	A	SYS	O	M-0046-3	B-3	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL SUPPLY CHK												
1-2399-044	NC	C	2	CK	SA	A	SYS	O/C	M-0046-3	D-3	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL SUPPLY CHK												
1-2399-045	NC	C	2	CK	SA	A	SYS	O/C	M-0046-3	B-3	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name HPCI-TURB CNTRL OIL AUX SUPPLY CNTRL VLV												
1-2399-046	NC	C	4	CK	SA	A	SYS	O	M-0046-3	B-5	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL SUPPLY CHK												
1-2399-047	NC	C	4	CK	SA	A	SYS	O	M-0046-3	C-3	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL SUPPLY CHK												

High Pressure Coolant Injection (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-2399-064	NC	C	4	CK	SA	A	SYS	O/C	M-0046-2	E-5	CC	M3			
											CO	SA			TP-00J
											CP	M3			
			Valve Name	HPCI-TURBINE EXHAUST LINE VACUUM BREAKER											
1-2399-065	NC	C	4	CK	SA	A	SYS	O/C	M-0046-2	E-6	CC	M3			
											CO	SA			TP-00J
											CP	M3			
			Valve Name	HPCI-TURBINE EXHAUST LINE VACUUM BREAKER											
1-2399-MRV1	NC	C	2	RV	SA	A	C	O	M-0046-3	B-4	CO	M3			CTP00-04
			Valve Name	HPCI-TURBINE CONTROL OIL RELIEF VALVE											
1-2399-MRV2	NC	C	2.5	RV	SA	A	C	O	M-0046-3	C-3	CO	M3			CTP00-04
			Valve Name	HPCI-TURBINE CONTROL OIL RELIEF VALVE											
1-2399-SV08-SO	NC	B	0.5	3W	SO	A	D	E	M-0046-3	F-4	SE	M3			CTP00-04
			Valve Name	HPCI-TURBINE EMERGENCY TRIP SOLENOID											
1-2399-SV12-SO	NC	B	0.5	3W	SO	A	D	E	M-0046-3	F-4	SE	M3			CTP00-04
			Valve Name	HPCI-TURBINE EMERGENCY TRIP SOLENOID											
2-2301-003-MO	2	B	10	GA	MO	A	C	O	M-0087-2	A-6	PI	Y2			
											SO	M3			
			Valve Name	HPCI-STEAM SUPPLY/BLOCKING VALVE											
2-2301-004-MO	1	A	10	GA	MO	A	O	O/C	M-0087-2	E-7	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name	HPCI-INBOARD STEAM SUPPLY FROM RPV-PCIV											
2-2301-005-MO	1	A	10	GA	MO	A	O	O/C	M-0087-2	C-9	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name	HPCI-OUTBOARD STEAM SUPPLY FROM RPV-PCIV											
2-2301-006-MO	NC	B	16	GA	MO	A	O	O/C	M-0087-1	G-1	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name	HPCI-SUCTION SUPPLY LINE FROM CCST ISOL											
2-2301-007	2	C	14	CK	SA	A	SYS	O	M-0087-1	E-9	CC	RR		RJ-23B	
											CO	RR		RJ-23B	
			Valve Name	HPCI-INJECTION LINE TO FEEDWATER CHK VLV											

High Pressure Coolant Injection (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-2301-008-MO	2	B	14	GA	MO	A	C	O/C	M-0087-1	E-8	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name HPCI-INJECTION LINE TO FEEDWATER ISOL															
2-2301-009-MO	2	B	14	GA	MO	A	O	O	M-0087-1	E-7	PI	Y2			
											SO	M3			
Valve Name HPCI-INJECTION LINE TO FEEDWATER ISOL															
2-2301-010-MO	2	B	12	GL	MO	A	C	C	M-0087-1	F-7	PI	Y2			
											SC	M3			
Valve Name HPCI-FULL FLOW TEST RETURN TO CCST															
2-2301-014-MO	2	B	4	GL	MO	A	C	C	M-0087-1	C-7	PI	Y2			
											SC	M3			
Valve Name HPCI-MINIMUM FLOW RECIRC LINE ISOLATION															
2-2301-020	2	C	16	CK	SA	A	SYS	O/C	M-0087-1	F-1	CC	M3			
											CO	M3			
Valve Name HPCI-SUCTION SUPPLY LINE FROM CCST CHK															
2-2301-023-RV	2	C	1.5	RV	SA	A	C	O	M-0087-1	A-3	RT	Y10			
Valve Name HPCI-BOOSTER PUMP SUCT LINE RELIEF VLV															
2-2301-026	1	A/C	0.5	XFC	SA	A	SYS	C	M-0087-2	F-9	CC	RR		RJ-00A	
											LT	Y10			
Valve Name HPCI-STM SUPPLY DP/P HI SIDE EXCESS FLOW															
2-2301-027	1	A/C	0.5	XFC	SA	A	SYS	C	M-0087-2	F-9	CC	RR		RJ-00A	
											LT	Y10			
Valve Name HPCI-STM SUPPLY DP/P LO SIDE EXCESS FLOW															
2-2301-028-AO	2	B	1	GL	AO	A	C	O	M-0087-2	C-7	FO	M3			TP-00C
											PI	Y2			
											SO	M3			
Valve Name HPCI-SUPPLY STM TRAP TO STM EXH DRN POT															
2-2301-029-AO	2	B	1	GL	AO	A	O	C	M-0087-2	C-7	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
Valve Name HPCI-STM LINE DRN POT TO MAIN CONDENSER															
2-2301-032-SO	2	B	1	GL	SO	A	C	O	M-0087-2	D-2	SO	M3	RV-23A		
Valve Name HPCI-EXH LINE DRN POT/GLND SEAL COND SOL															
2-2301-034	2	A/C	2	CK	SA	A	SYS	O/C	M-0087-2	D-4	CC	RR		RJ-23A	
											CO	M3			
											LT	AJ			TP-00G
Valve Name HPCI-EXH LINE DRN POT DISCH TO TORUS CHK															

High Pressure Coolant Injection (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-2301-035-MO	2	B	16	GA	MO	A	C	O/C	M-0087-1	F-2	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name HPCI-SUCTION SUPPLY LINE FROM TORUS ISOL												
2-2301-036-MO	2	B	16	GA	MO	A	C	O/C	M-0087-1	F-3	PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name HPCI-SUCTION SUPPLY LINE FROM TORUS ISOL												
2-2301-039	2	C	16	CK	SA	A	SYS	O/C	M-0087-1	F-2	CC	SA			TP-00J
											CO	SA			TP-00J
											CP	CS			
			Valve Name HPCI-SUCTION SUPPLY LINE FROM TORUS CHK												
2-2301-040	2	C	4	CK	SA	A	SYS	O	M-0087-1	C-8	CC	SA			TP-00J
											CO	SA			TP-00J
											CP	M3			
			Valve Name HPCI-MINIMUM FLOW RECIRC LINE CHK VLV												
2-2301-045	2	C	24	CK	SA	A	SYS	O/C	M-0087-2	C-5	CC	RR		RJ-23A	
											CO	M3			
			Valve Name HPCI-TURBINE EXHAUST TO TORUS CHK VLV												
2-2301-048-MO	2	B	4	GA	MO	A	O	O	M-0087-1	B-4	PI	Y2			
											SO	M3			
			Valve Name HPCI-LUBE OIL/GLAND SEAL CLG WTR RETURN												
2-2301-049-MO	2	B	4	GA	MO	A	C	C	M-0087-1	E-6	PI	Y2			
											SC	M3			
			Valve Name HPCI-LUBE OIL/GLAND SEAL CLG WTR RETURN												
2-2301-050	2	C	4	CK	SA	A	SYS	O	M-0087-1	D-5	CC	SA			TP-00J
											CO	SA			TP-00J
											CP	M3			
			Valve Name HPCI-LUBE OIL CLR/GS COND TO BSTR PMP CK												
2-2301-051	2	C	4	CK	SA	A	SYS	C	M-0087-1	D-5	CC	M3			
											CO	OP			CTP01-01
			Valve Name HPCI-GLAND SEAL/LUBE OIL COOLING PUMP CK												
2-2301-053-RV	2	C	4	RV	SA	A	C	O	M-0087-1	D-3	RT	Y10			
			Valve Name HPCI-GLAND SEAL/LUBE OIL LINE RELIEF VLV												
2-2301-064-AO	2	B	1	GL	AO	A	O	C	M-0087-2	B-5	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name HPCI-STOP VALVE ABOVE SEAT DRAIN DISCH												

High Pressure Coolant Injection (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-2301-065-AO	NC	N/A	1	GL	AO	N/A	O	N/A	M-0087-2	B-6	PI	Y2			
			Valve Name HPCI-STOP VALVE ABOVE SEAT DRAIN DISCH												
2-2301-068-RPD	2	D	16	RPD	SA	A	C	O	M-0087-2	A-4	DT	Y5			
			Valve Name HPCI-TURB EXHAUST LINE RUPTURE DIAPHRAGM												
2-2301-069-RPD	NS	D	16	RPD	SA	A	C	O	M-0087-2	A-4	DT	Y5			
			Valve Name HPCI-TURB EXHAUST LINE RUPTURE DIAPHRAGM												
2-2301-071	2	A/C	2	SCK	SA	A	SYS	O/C	M-0087-2	E-4	CC	RR		RJ-23A	
											CO	M3			
											LT	AJ			TP-00G
			Valve Name HPCI-EXH LINE DRN POT DISCH TO TORUS SCK												
2-2301-074	2	C	12	SCK	SA	A	SYS	O	M-0087-2	D-5	CC	RR		RJ-23A	
											CO	M3			
			Valve Name HPCI-TURBINE EXHAUST TO TORUS STOP CHECK												
2-2301-075	2	C	4	CK	SA	A	SYS	O	M-0087-1	E-3	CC	SA			TP-00J
											CO	SA			TP-00J
											CP	M3			
			Valve Name HPCI-CCST TO GLAND SEAL/LUBE OIL CLR CHK												
2-2301-076	2	C	2	CK	SA	A	SYS	O/C	M-0087-1	E-3	CC	M3			
											CO	M3			
			Valve Name HPCI-GLAND SEAL CONDENSATE PMP DISCH CHK												
2-2301-107	2	B	0.75	GL	M	A	LC	O	M-0087-1	B-1	SO	M3			
			Valve Name HPCI-KEEP FILL SUPPLY ISOLATION VALVE												
2-2301-108	2	B	0.75	GL	M	A	C	O	M-0087-1	B-1	SO	M3			
			Valve Name HPCI-KEEP FILL SUPPLY ISOLATION VALVE												
2-2317-HO	2	B	10	PPT	HO	A	C	O/C	M-0087-2	A-5	FC	M3			TP-00C
											PI	Y2			
											SC	M3			CTP00-04
											SO	M3			CTP00-04
			Valve Name HPCI-TURBINE STOP VALVE												
2-2399-013	2	B	0.75	GL	M	A	C	O	M-0087-1	C-1	SO	M3			
			Valve Name HPCI-KEEP FILL SUPPLY ISOLATION VALVE												
2-2399-040-MO	NC	A	4	GA	MO	A	O	O/C	M-0087-2	E-6	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name HPCI-TURB EXH VAC BREAKER LINE ISOL-PCIV												

High Pressure Coolant Injection (Page 9)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-2399-041-MO	2	A	4	GA	MO	A	O	O/C	M-0087-2	D-6	LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name HPCI-TURB EXH VAC BREAKER LINE ISOL-PCIV												
2-2399-042	NC	C	1.5	CK	SA	A	SYS	C	M-0087-3	A-3	CC	M3			CTP00-04
											CO	N/A			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL SUPPLY CHK												
2-2399-043	NC	C	2.5	CK	SA	A	SYS	O	M-0087-3	B-3	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL SUPPLY CHK												
2-2399-044	NC	C	2	CK	SA	A	SYS	O/C	M-0087-3	D-3	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL SUPPLY CHK												
2-2399-045	NC	C	2	CK	SA	A	SYS	O/C	M-0087-3	B-3	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name HPCI-TURB CNTRL OIL AUX SUPPLY CNTRL VLV												
2-2399-046	NC	C	4	CK	SA	A	SYS	O	M-0087-3	B-5	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL SUPPLY CHK												
2-2399-047	NC	C	4	CK	SA	A	SYS	O	M-0087-3	C-5	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL SUPPLY CHK												
2-2399-064	NC	C	4	CK	SA	A	SYS	O/C	M-0087-2	E-5	CC	M3			
											CO	SA			TP-00J
											CP	M3			
			Valve Name HPCI-TURBINE EXHAUST VACUUM BREAKER												
2-2399-065	NC	C	4	CK	SA	A	SYS	O/C	M-0087-2	E-6	CC	M3			
											CO	SA			TP-00J
											CP	M3			
			Valve Name HPCI-TURBINE EXHAUST VACUUM BREAKER												
2-2399-MRV1	NC	C	2	RV	SA	A	C	O	M-0087-3	B-4	CO	M3			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL RELIEF VALVE												
2-2399-MRV2	NC	C	2.5	RV	SA	A	C	O	M-0087-3	B-4	CO	M3			CTP00-04
			Valve Name HPCI-TURBINE CONTROL OIL RELIEF VALVE												
2-2399-SV08-SO	NC	B	0.5	3W	SO	A	D	E	M-0087-3	F-4	SE	M3			CTP00-04
			Valve Name HPCI-TURBINE EMERGENCY TRIP SOLENOID												
2-2399-SV12-SO	NC	B	0.5	3W	SO	A	D	E	M-0087-3	F-4	SE	M3			CTP00-04
			Valve Name HPCI-TURBINE EMERGENCY TRIP SOLENOID												

Containment Atmosphere Monitoring (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-2498-008A	NC	A/C	0.5	CK	SA	A	SYS	C	CID-0641-1	C-2	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
Valve Name CAM-HYDROGEN ANALYZER CALIBRATION GAS CHECK VLV															
1-2498-008B	NC	A/C	0.5	CK	SA	A	SYS	C	CID-0641-1	C-7	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
Valve Name CAM-HYDROGEN ANALYZER CALIBRATION GAS CHECK VLV															
1-2498-009A	NC	B	0.5	GA	SO	A	C	O	CID-0641-1	B-3	FO	M3			CTP00-04
											SO	M3			CTP00-04
Valve Name CAM-REAGENT GAS SUPPLY VALVE															
1-2498-009B	NC	B	0.5	GA	SO	A	C	O	CID-0641-1	B-8	FO	M3			CTP00-04
											SO	M3			CTP00-04
Valve Name CAM-REAGENT GAS SUPPLY VALVE															
1-2498-011A	NC	A/C	0.5	CK	SA	A	SYS	O/C	CID-0641-1	C-3	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
Valve Name CAM-REAGENT GAS SUPPLY CHECK VALVE															
1-2498-011B	NC	A/C	0.5	CK	SA	A	SYS	O/C	CID-0641-1	C-8	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
Valve Name CAM-REAGENT GAS SUPPLY CHECK VALVE															
1-2498-014A	NC	A/C	0.5	CK	SA	A	SYS	C	CID-0641-1	C-3	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
Valve Name CAM-OXYGEN ANALYZER CALIBRATION GAS CHECK VLV															
1-2498-014B	NC	A/C	0.5	CK	SA	A	SYS	C	CID-0641-1	C-8	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
Valve Name CAM-OXYGEN ANALYZER CALIBRATION GAS CHECK VLV															
1-2498-015A	NC	B	0.5	GA	SO	A	C	O	CID-0641-1	B-4	FO	M3			CTP00-04
											SO	M3			CTP00-04
Valve Name CAM-REAGENT GAS SUPPLY VALVE															
1-2498-015B	NC	B	0.5	GA	SO	A	C	O	CID-0641-1	B-9	FO	M3			CTP00-04
											SO	M3			CTP00-04
Valve Name CAM-REAGENT GAS SUPPLY VALVE															

Containment Atmosphere Monitoring (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-2498-017A	NC	A/C	0.5	CK	SA	A	SYS	O/C	CID-0641-1	C-4	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
Valve Name CAM-REAGENT GAS SUPPLY CHECK VALVE															
1-2498-017B	NC	A/C	0.5	CK	SA	A	SYS	O/C	CID-0641-1	C-9	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
Valve Name CAM-REAGENT GAS SUPPLY CHECK VALVE															
1-2499-001A-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-1	D-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name CAM-DRYWELL SAMPLE PATH SELECTION VALVE															
1-2499-001B-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-1	D-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name CAM-DRYWELL SAMPLE PATH SELECTION VALVE															
1-2499-002A-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-1	D-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name CAM-DRYWELL SAMPLE PATH SELECTION VALVE															
1-2499-002B-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-1	D-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name CAM-DRYWELL SAMPLE PATH SELECTION VALVE															
1-2499-003A-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-1	B-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name CAM-TORUS SAMPLE PATH SELECTION VALVE															

Containment Atmosphere Monitoring (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-2499-003B-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-1	B-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CAM-TORUS SAMPLE PATH SELECTION VALVE												
1-2499-004A-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-1	B-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CAM-TORUS SAMPLE PATH SELECTION VALVE												
1-2499-004B-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-1	B-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name CAM-TORUS SAMPLE PATH SELECTION VALVE												
1-2499-022A	NC	A/C	0.5	CK	SA	A	SYS	O/C	M-0641-1	C-7	CC	RR		RJ-24A	
											CO	M3			
											LT	AJ			TP-00G
			Valve Name CAM-ATMOSPHERE SAMPLE RETURN CHECK VALVE												
1-2499-022B	NC	A/C	0.5	CK	SA	A	SYS	O/C	M-0641-1	C-2	CC	RR		RJ-24A	
											CO	M3			
											LT	AJ			TP-00G
			Valve Name CAM-ATMOSPHERE SAMPLE RETURN CHECK VALVE												
2-2498-008A	NC	A/C	0.5	CK	SA	A	SYS	C	CID-0641-2	C-2	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
			Valve Name CAM-HYDROGEN ANALYZER CALIBRATION GAS CHECK VLV												
2-2498-008B	NC	A/C	0.5	CK	SA	A	SYS	C	CID-0641-2	C-7	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
			Valve Name CAM-HYDROGEN ANALYZER CALIBRATION GAS CHECK VLV												
2-2498-009A	NC	B	0.5	GA	SO	A	C	O	CID-0641-2	B-3	FO	M3			CTP00-04
											SO	M3			CTP00-04
			Valve Name CAM-REAGENT GAS SUPPLY VALVE												
2-2498-009B	NC	B	0.5	GA	SO	A	C	O	CID-0641-2	B-8	FO	M3			CTP00-04
											SO	M3			CTP00-04
			Valve Name CAM-REAGENT GAS SUPPLY VALVE												

Containment Atmosphere Monitoring (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-2498-011A	NC	A/C	0.5	CK	SA	A	SYS	O/C	CID-0641-2	C-3	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
				Valve Name CAM-REAGENT GAS SUPPLY CHECK VALVE											
2-2498-011B	NC	A/C	0.5	CK	SA	A	SYS	O/C	CID-0641-2	C-8	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
				Valve Name CAM-REAGENT GAS SUPPLY CHECK VALVE											
2-2498-014A	NC	A/C	0.5	CK	SA	A	SYS	C	CID-0641-2	C-3	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
				Valve Name CAM-OXYGEN ANALYZER CALIBRATION GAS CHECK VLV											
2-2498-014B	NC	A/C	0.5	CK	SA	A	SYS	C	CID-0641-2	C-8	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
				Valve Name CAM-OXYGEN ANALYZER CALIBRATION GAS CHECK VLV											
2-2498-015A	NC	B	0.5	GA	SO	A	C	O	CID-0641-2	B-4	FO	M3			CTP00-04
											SO	M3			CTP00-04
				Valve Name CAM-REAGENT GAS SUPPLY VALVE											
2-2498-015B	NC	B	0.5	GA	SO	A	C	O	CID-0641-2	B-9	FO	M3			CTP00-04
											SO	M3			CTP00-04
				Valve Name CAM-REAGENT GAS SUPPLY VALVE											
2-2498-017A	NC	A/C	0.5	CK	SA	A	SYS	O/C	CID-0641-2	C-4	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
				Valve Name CAM-REAGENT GAS SUPPLY CHECK VALVE											
2-2498-017B	NC	A/C	0.5	CK	SA	A	SYS	O/C	CID-0641-2	C-9	CC	RR		RJ-24A	CTP00-04
											CO	M3			CTP00-04
											LT	AJ			CTP00-04
				Valve Name CAM-REAGENT GAS SUPPLY CHECK VALVE											
2-2499-001A-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-2	D-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
				Valve Name CAM-DRYWELL SAMPLE PATH SELECTION VALVE											

Containment Atmosphere Monitoring (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-2499-001B-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-2	D-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
		Valve Name CAM-DRYWELL SAMPLE PATH SELECTION VALVE													
2-2499-002A-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-2	D-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
		Valve Name CAM-DRYWELL SAMPLE PATH SELECTION VALVE													
2-2499-002B-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-2	D-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
		Valve Name CAM-DRYWELL SAMPLE PATH SELECTION VALVE													
2-2499-003A-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-2	B-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
		Valve Name CAM-TORUS SAMPLE PATH SELECTION VALVE													
2-2499-003B-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-2	B-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
		Valve Name CAM-TORUS SAMPLE PATH SELECTION VALVE													
2-2499-004A-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-2	B-7	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
		Valve Name CAM-TORUS SAMPLE PATH SELECTION VALVE													

Containment Atmosphere Monitoring (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-2499-004B-SO	NC	A	0.5	GA	SO	A	C	O/C	M-0641-2	B-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
											SO	M3			
			Valve Name	CAM-TORUS SAMPLE PATH SELECTION VALVE											
2-2499-022A	NC	A/C	0.5	CK	SA	A	SYS	O/C	M-0641-2	C-7	CC	RR		RJ-24A	
											CO	M3			
											LT	AJ			TP-00G
			Valve Name	CAM-ATMOSPHERE SAMPLE RETURN CHECK VALVE											
2-2499-022B	NC	A/C	0.5	CK	SA	A	SYS	O/C	M-0641-2	C-2	CC	RR		RJ-24A	
											CO	M3			
											LT	AJ			TP-00G
			Valve Name	CAM-ATMOSPHERE SAMPLE RETURN CHECK VALVE											

Atmospheric Containment Atmosphere Dilution (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-2599-004A-AO	NC	A	1	GL	AO	P	C	C	M-0642-1	F-3	LT	AJ			TP-00G
											PI	Y2			
		Valve Name ACAD-PRESS BLEED-OFF ISOLATION VALVE													
1-2599-004B-AO	NC	A	1	GL	AO	P	C	C	M-0642-1	E-3	LT	AJ			TP-00G
											PI	Y2			
		Valve Name ACAD-PRESS BLEED-OFF ISOLATION VALVE													
1-2599-005A-FC	NC	A	1	DIA	AO	P	C	C	M-0642-1	F-5	LT	AJ			TP-00G
											PI	Y2			
		Valve Name ACAD-PRESS BLEED-OFF ISOL & THROTTLE/FCV													
1-2599-005B-FC	NC	A	1	DIA	AO	P	C	C	M-0642-1	E-5	LT	AJ			TP-00G
											PI	Y2			
		Valve Name ACAD-PRESS BLEED-OFF ISOL & THROTTLE/FCV													
2-2599-004A-AO	NC	A	1	GL	AO	P	C	C	M-0642-2	F-3	LT	AJ			TP-00G
											PI	Y2			
		Valve Name ACAD-PRESS BLEED-OFF ISOLATION VALVE													
2-2599-004B-AO	NC	A	1	GL	AO	P	C	C	M-0642-2	E-3	LT	AJ			TP-00G
											PI	Y2			
		Valve Name ACAD-PRESS BLEED-OFF ISOLATION VALVE													
2-2599-005A-FC	NC	A	1	DIA	AO	P	C	C	M-0642-2	F-5	LT	AJ			TP-00G
											PI	Y2			
		Valve Name ACAD-PRESS BLEED-OFF ISOL & THROTTLE/FCV													
2-2599-005B-FC	NC	A	1	DIA	AO	P	C	C	M-0642-2	E-5	LT	AJ			TP-00G
											PI	Y2			
		Valve Name ACAD-PRESS BLEED-OFF ISOL & THROTTLE/FCV													

Safe Shutdown Makeup (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0-2901-004	NS	C	4	CK	SA	A	SYS	O	M-0070	D-6	CC	RR			
											CO	M3			
		Valve Name SAFE SHUTDOWN MAKEUP PUMP DISCH CHK VLV													
0-2901-005	NS	C	4	CK	SA	A	SYS	O	M-0070	E-3	CC	RR			
											CO	M3			
		Valve Name SSMP-FULL FLOW TEST LINE CHECK VALVE													
0-2901-007-MO	NS	B	4	GL	MO	A	C	O/C	M-0070	E-3	PI	Y2			
											SC	M3			
											SO	M3			
		Valve Name SSMP-FULL FLOW TEST LINE TO CCST ISOL													
1-2901-008-MO	NS	B	4	GL	MO	A	C	O	M-0070	D-2	PI	Y2			
											SO	M3			
		Valve Name SSMP-INJECTION LINE ISOLATION VALVE													
1-2901-010	2	C	4	CK	SA	A	SYS	O/C	M-0070	F-3	CC	RR		RJ-32A	
											CO	CS		CS-00A	
		Valve Name SSMP-INJECTION LINE CHECK VALVE													
2-2901-008-MO	NS	B	4	GL	MO	A	C	O	M-0070	D-3	PI	Y2			
											SO	M3			
		Valve Name SSMP-INJECTION LINE ISOLATION VALVE													
2-2901-010	2	C	4	CK	SA	A	SYS	O/C	M-0070	D-2	CC	RR		RJ-32A	
											CO	CS		CS-00A	
		Valve Name SSMP-INJECTION LINE CHECK VALVE													

Reactor Building Closed Cooling Water (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-3702-MO	NC	A	8	GA	MO	A	O	C	M-0033-2	C-9	LT	AJ			TP-00G
											PI	Y2			
											SC	CS		CS-37A	
Valve Name RBCCW SUPPLY-PRIMARY CONTAINMENT ISOLATION VLV															
1-3703-MO	NC	A	8	GA	MO	A	O	C	M-0033-2	D-9	LT	AJ			TP-00G
											PI	Y2			
											SC	CS		CS-37A	
Valve Name RBCCW RETURN-PRIMARY CONTAINMENT ISOLATION VLV															
1-3706-MO	NC	A	8	GA	MO	A	O	C	M-0033-2	D-9	LT	AJ			TP-00G
											PI	Y2			
											SC	CS		CS-37A	
Valve Name RBCCW RETURN-PRIMARY CONTAINMENT ISOLATION VLV															
1-3799-031	NC	A/C	8	CK	SA	A	SYS	C	M-0033-2	C-9	CC	RR		RJ-37A	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
Valve Name RBCCW-PRIMARY CONTAINMENT ISOLATION VLV															
2-3702-MO	NC	A	8	GA	MO	A	O	C	M-0075-2	B-3	LT	AJ			TP-00G
											PI	Y2			
											SC	CS		CS-37A	
Valve Name RBCCW SUPPLY-PRIMARY CONTAINMENT ISOLATION VLV															
2-3703-MO	NC	A	8	GA	MO	A	O	C	M-0075-2	B-1	LT	AJ			TP-00G
											PI	Y2			
											SC	CS		CS-37A	
Valve Name RBCCW RETURN-PRIMARY CONTAINMENT ISOLATION VLV															
2-3706-MO	NC	A	8	GA	MO	A	O	C	M-0075-2	B-1	LT	AJ			TP-00G
											PI	Y2			
											SC	CS		CS-37A	
Valve Name RBCCW RETURN-PRIMARY CONTAINMENT ISOLATION VLV															
2-3799-031	NC	A/C	8	CK	SA	A	SYS	C	M-0075-2	B-3	CC	RR		RJ-37A	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
Valve Name RBCCW-PRIMARY CONTAINMENT ISOLATION VLV															
2-3799-206-RV	NC	A/C	0.75	RV	SA	A	C	O/C	M-0075-2	B-1	LT	AJ			TP-00G
											RT	Y10			
Valve Name RBCCW-PCIV, PCI VOLUME THERMAL OVERPRESSURE RELIEF															
2-3799-207-RV	NC	C	0.75	RV	SA	A	C	O	M-0075-2	B-3	RT	Y10			
Valve Name RBCCW-PCI VOLUME THERMAL OVERPRESSURE RELIEF															

Diesel Generator Cooling Water (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0-3999-085	3	C	8	CK	SA	A	SYS	O/C	M-0022-3	B-8	CC	SA			TP-00J
											CO	M3			
			Valve Name DGCW-PUMP DISCHARGE CHECK VALVE												
0-3999-089	3	B	6	GA	M	A	C	O/C	M-0022-3	D-6	SC	M3			TP-00I
											SO	M3			TP-00I
			Valve Name DGCW-UNIT 0 CROSS-TIE TO UNIT 1												
1-3999-086	3	C	8	CK	SA	A	SYS	O/C	M-0022-3	E-8	CC	SA			TP-00J
											CO	M3			
			Valve Name LPSW-DGCW PUMP DISCHARGE CHECK VALVE												
1-3999-088	3	C	6	CK	SA	A	SYS	O/C	M-0022-3	D-6	CC	M3			
											CO	M3			
			Valve Name LPSW-DGCW DISCHARGE CROSS-TIE CHK VLV												
1-3999-560	3	C	2.5	CK	SA	A	SYS	C	M-0022-1	D-6	CC	M3			
											CO	OP			CTP01-01
			Valve Name LPSW-SERV WTR TO HPCI RM CLR CHECK VLV												
1-3999-561	3	C	4	CK	SA	A	SYS	O	M-0022-1	D-6	CC	SA			
											CO	M3			
			Valve Name LPSW-SERV WTR TO VITAL COMPONENTS CK VLV												
1-3999-700	NC	C	2.5	CK	SA	A	SYS	C	M-0022-1	D-6	CC	M3			
											CO	OP			CTP01-01
			Valve Name LPSW-SERV WTR TO HPCI RM CLR CHECK VLV												
2-3999-086	3	C	8	CK	SA	A	SYS	O/C	M-0069-3	C-8	CC	SA			TP-00J
											CO	M3			
			Valve Name LPSW-DGCW PUMP DISCHARGE CHECK VALVE												
2-3999-088	3	C	6	CK	SA	A	SYS	O/C	M-0069-3	E-6	CC	M3			
											CO	M3			
			Valve Name LPSW-DGCW DISCHARGE CROSS-TIE CHK VLV												
2-3999-089	3	B	6	GA	M	A	C	O/C	M-0069-3	F-6	SC	M3			TP-00I
											SO	M3			TP-00I
			Valve Name LPSW-DGCW DISCHARGE CROSS-TIE ISOL VLV												
2-3999-139	3	C	6	CK	SA	A	SYS	O	M-0069-3	F-5	CC	SA			
											CO	M3			
			Valve Name LPSW-DGCW TRAIN CROSS-TIE CHECK VALVE												
2-3999-560	3	C	2.5	CK	SA	A	SYS	C	M-0069-1	D-8	CC	M3			
											CO	OP			CTP01-01
			Valve Name LPSW-SERV WTR TO HPCI RM CLR CHECK VLV												
2-3999-561	3	C	4	CK	SA	A	SYS	O	M-0069-1	D-7	CC	SA			
											CO	M3			
			Valve Name LPSW-SERV WTR TO VITAL COMPONENTS CK VLV												

Diesel Generator Cooling Water (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-3999-700	NC	C	2.5	CK	SA	A	SYS	C	M-0069-1	D-9	CC	M3			
											CO	OP			CTP01-01

Valve Name LPSW-SERV WTR TO HPCI RM CLR CHECK VLV

Fire Protection (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0-4199-315-AO	NC	B	1	GA	AO	P	C	C	M-0027-2	F-8	PI	Y2			TP-41A
Valve Name CONTR RM HVAC - AFU FIRE PROTEC SPARGER ISOL VLV															

Clean Demineralized Water (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-4399-045	NC	A	3	GA	M	P	LC	C	M-0058-4	E-5	LT	AJ			TP-00G
			Valve Name CLEAN DEMINERALIZED WATER CONTAINMENT ISOL VLV												
1-4399-046	NC	A/C	3	CK	SA	A	SYS	C	M-0058-4	D-5	CC	RR		RJ-43A	
											CO	RR		RJ-43A	
											LT	AJ			TP-00G
			Valve Name CLEAN DEMINERALIZED WATER CONTAINMENT ISOL CHK VLV												
2-4399-045	NC	A	3	GA	M	P	LC	C	M-0058-3	A-4	LT	AJ			TP-00G
			Valve Name CLEAN DEMINERALIZED WATER CONTAINMENT ISOL VLV												
2-4399-046	NC	A/C	4	CK	SA	A	SYS	C	M-0058-3	A-4	CC	RR		RJ-43A	
											CO	RR		RJ-43A	
											LT	AJ			TP-00G
			Valve Name CLEAN DEMINERALIZED WATER CONTAINMENT ISOL CHK VLV												

Service Air (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-4699-046	NC	A	1	GL	M	P	LC	C	M-0025-1	E-3	LT	AJ			TP-00G
		Valve Name	SA-PRIMARY CONTAINMENT ISOLATION VALVE												
1-4699-047	NC	A/C	1	CK	SA	A	SYS	C	M-0025-1	E-4	CC	RR		RJ-46A	
											CO	RR		RJ-46A	
											LT	AJ			TP-00G
		Valve Name	SA-PRIMARY CONTAINMENT ISOLATION VALVE												
2-4699-046	NC	A	1	GL	M	P	LC	C	M-0072-1	E-6	LT	AJ			TP-00G
		Valve Name	SA-PRIMARY CONTAINMENT ISOLATION VALVE												
2-4699-047	NC	A/C	1	CK	SA	A	SYS	C	M-0072-1	E-6	CC	RR		RJ-46A	
											CO	RR		RJ-46A	
											LT	AJ			TP-00G
		Valve Name	SA-PRIMARY CONTAINMENT ISOLATION VALVE												

Diesel Generator Starting Air (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0-4699-048	NC	C	1.5	CK	SA	A	SYS	O/C	M-0025-2	C-7	CC	M3			
											CO	M3			
			Valve Name SA - DIESEL AIR RECIEVER TANK CHECK VLV												
0-4699-196	NC	C	1.5	CK	SA	A	SYS	O/C	M-0025-2	C-6	CC	M3			
											CO	M3			
			Valve Name SA - DIESEL AIR RECIEVER TANK CHECK VLV												
0-4699-226-AO	NC	B	1.5	GA	AO	A	C	O/C	M-0025-2	B-3	SC	M3			CTP00-04
											SO	M3			CTP00-04
			Valve Name SA - DIESEL AIR START RELAY VALVE												
0-4699-306A-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0025-2	B-8	RT	Y10			
			Valve Name SA - DIESEL AIR RECEIVER TANK SAFETY VLV												
0-4699-306B-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0025-2	B-7	RT	Y10			
			Valve Name SA - DIESEL AIR RECEIVER TANK SAFETY VLV												
0-4699-306C-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0025-2	B-6	RT	Y10			
			Valve Name SA - DIESEL AIR RECEIVER TANK SAFETY VLV												
0-4699-306D-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0025-2	B-6	RT	Y10			
			Valve Name SA - DIESEL AIR RECEIVER TANK SAFETY VLV												
0-4699-307A	NC	C	0.5	CK	SA	A	SYS	C	M-0025-2	A-7	CC	M3			
											CO	OP			CTP01-01
			Valve Name SA - DIESEL AIR COMPRESSOR CHECK VALVE												
0-4699-307B	NC	C	0.5	CK	SA	A	SYS	C	M-0025-2	A-6	CC	M3			
											CO	OP			CTP01-01
			Valve Name SA - DIESEL AIR COMPRESSOR CHECK VALVE												
0-4699-309	NC	C	0.375	CK	SA	A	SYS	O/C	M-0025-2	B-3	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name SA - DG AIR START RELAY VLV DIAPHRAGM CK												
0-4699-310-SO	NC	B	0.375	3W	SO	A	D	E/D	M-0025-2	B-4	SD	M3			CTP00-04
											SE	M3			CTP00-04
			Valve Name SA- DIESEL AIR START SOLENOID												
1-4699-123	NC	C	1.5	CK	SA	A	SYS	O/C	M-0025-2	E-6	CC	M3			
											CO	M3			
			Valve Name SA-DIESEL AIR RECEIVER TANK CHECK VLV												
1-4699-196	NC	C	1.5	CK	SA	A	SYS	O/C	M-0025-2	E-6	CC	M3			
											CO	M3			
			Valve Name SA-DIESEL AIR RECEIVER TANK CHECK VLV												
1-4699-226-AO	NC	B	1.5	GA	AO	A	C	O/C	M-0025-2	D-3	SC	M3			CTP00-04
											SO	M3			CTP00-04
			Valve Name SA-DIESEL AIR START RELAY VALVE												

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Diesel Generator Starting Air (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-4699-306A-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0025-2	E-8	RT	Y10			
			Valve Name SA-DIESEL AIR RECEIVER TANK SAFETY VLV												
1-4699-306B-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0025-2	E-7	RT	Y10			
			Valve Name SA-DIESEL AIR RECEIVER TANK SAFETY VLV												
1-4699-306C-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0025-2	E-6	RT	Y10			
			Valve Name SA-DIESEL AIR RECEIVER TANK SAFETY VLV												
1-4699-306D-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0025-2	E-6	RT	Y10			
			Valve Name SA-DIESEL AIR RECEIVER TANK SAFETY VLV												
1-4699-307A	NC	C	0.5	CK	SA	A	SYS	C	M-0025-2	D-7	CC	M3			
											CO	OP			CTP01-01
			Valve Name SA-DIESEL AIR COMPRESSOR CHECK VALVE												
1-4699-307B	NC	C	0.5	CK	SA	A	SYS	C	M-0025-2	D-5	CC	M3			
											CO	OP			CTP01-01
			Valve Name SA-DIESEL AIR COMPRESSOR CHECK VALVE												
1-4699-309	NC	C	0.375	CK	SA	A	SYS	O/C	M-0025-2	E-3	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name SA-DIESEL AIR START RELAY VLV DIAPH CK												
1-4699-310-SO	NC	B	0.375	3W	SO	A	D	E/D	M-0025-2	E-4	SD	M3			CTP00-04
											SE	M3			CTP00-04
			Valve Name SA-DIESEL AIR START SOLENOID												
2-4699-123	NC	C	1.5	CK	SA	A	SYS	O/C	M-0072-2	D-6	CC	M3			
											CO	M3			
			Valve Name SA-DIESEL AIR RECEIVER TANK CHECK VLV												
2-4699-196	NC	C	1.5	CK	SA	A	SYS	O/C	M-0072-2	D-6	CC	M3			
											CO	M3			
			Valve Name SA-DIESEL AIR RECEIVER TANK CHECK VLV												
2-4699-226-AO	NC	B	1.5	GA	AO	A	C	O/C	M-0072-2	C-3	SC	M3			CTP00-04
											SO	M3			CTP00-04
			Valve Name SA-DIESEL AIR START RELAY VALVE												
2-4699-306A-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0072-2	D-7	RT	Y10			
			Valve Name SA-DIESEL AIR RECEIVER TANK SAFETY VLV												
2-4699-306B-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0072-2	D-7	RT	Y10			
			Valve Name SA-DIESEL AIR RECEIVER TANK SAFETY VLV												
2-4699-306C-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0072-2	D-6	RT	Y10			
			Valve Name SA-DIESEL AIR RECEIVER TANK SAFETY VLV												
2-4699-306D-RV	NC	C	0.75	RV	SA	A	C	O/C	M-0072-2	D-5	RT	Y10			
			Valve Name SA-DIESEL AIR RECEIVER TANK SAFETY VLV												

Diesel Generator Starting Air (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-4699-307A	NC	C	0.5	CK	SA	A	SYS	C	M-0072-2	C-7	CC	M3			
											CO	OP			CTP01-01
			Valve Name SA-DIESEL AIR COMPRESSOR CHECK VALVE												
2-4699-307B	NC	C	0.5	CK	SA	A	SYS	C	M-0072-2	C-5	CC	M3			
											CO	OP			CTP01-01
			Valve Name SA-DIESEL AIR COMPRESSOR CHECK VALVE												
2-4699-309	NC	C	0.375	CK	SA	A	SYS	O/C	M-0072-2	C-3	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name SA-DIESEL AIR START RELAY VLV DIAPH CHK												
2-4699-310-SO	NC	B	0.375	3W	SO	A	D	E/D	M-0072-2	D-3	SD	M3			CTP00-04
											SE	M3			CTP00-04
			Valve Name SA-DIESEL AIR START SOLENOID												

Instrument Air (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-4720-PCV	NC	A	1	GA	AO	A	O	C	M-0024-13	D-5	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name IA-PCIV, AIR SUCT FOR INST AIR FROM DW												
1-4721-PCV	NC	A	1	GA	AO	A	O	C	M-0024-13	D-6	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name IA-PCIV, AIR SUCT FOR INST AIR FROM DW												
1-4799-155	NC	A/C	2	CK	SA	A	SYS	C	M-0024-13	C-4	CC	RR		RJ-47B	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
			Valve Name IA-PCIV, INST AIR SUPPLY TO DRYWELL												
1-4799-156	NC	A/C	2	CK	SA	A	SYS	C	M-0024-13	C-6	CC	RR		RJ-47B	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
			Valve Name IA-PCIV, INST AIR SUPPLY TO DRYWELL												
1-4799-158	NC	A/C	0.5	CK	SA	A	SYS	C	M-0024-13	E-7	CC	RR		RJ-47B	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
			Valve Name IA-PCIV, INST AIR SUPPLY TO TORUS												
1-4799-159	NC	A/C	0.5	CK	SA	A	SYS	C	M-0024-13	E-8	CC	RR		RJ-47B	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
			Valve Name IA-PCIV, INST AIR SUPPLY TO TORUS												
2-4720-PCV	NC	A	1	GA	AO	A	O	C	M-0071-2	D-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name IA-PCIV, AIR SUCT FOR INST AIR FROM DW												
2-4721-PCV	NC	A	1	GA	AO	A	O	C	M-0071-2	D-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name IA-PCIV, AIR SUCT FOR INST AIR FROM DW												
2-4799-155	NC	A/C	2	CK	SA	A	SYS	C	M-0071-2	E-2	CC	RR		RJ-47B	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
			Valve Name IA-PCIV, INST AIR SUPPLY TO DRYWELL												

Instrument Air (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-4799-156	NC	A/C	2	CK	SA	A	SYS	C	M-0071-2	E-3	CC	RR		RJ-47B	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
			Valve Name IA-PCIV, INST AIR SUPPLY TO DRYWELL												
2-4799-158	NC	A/C	0.5	CK	SA	A	SYS	C	M-0071-2	F-4	CC	RR		RJ-47B	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
			Valve Name IA-PCIV, INST AIR SUPPLY TO TORUS												
2-4799-159	NC	A/C	0.5	CK	SA	A	SYS	C	M-0071-2	F-4	CC	RR		RJ-47B	
											CO	OP			CTP01-01
											LT	AJ			TP-00G
			Valve Name IA-PCIV, INST AIR SUPPLY TO TORUS												
2-4799-353	NS	A/C	0.5	CK	SA	A	SYS	C	M-0071-2	E-4	CC	RR		RJ-47B	
											CO	RR		RJ-47B	
											LT	AJ			TP-00G
			Valve Name IA-SRM/IRM PURGE CHK												
2-4799-354	NS	A/C	0.5	CK	SA	A	SYS	C	M-0071-2	E-4	CC	RR		RJ-47B	
											CO	RR		RJ-47B	
											LT	AJ			TP-00G
			Valve Name IA-SRM/IRM PURGE CHK												

Diesel Generator Fuel Oil Transfer (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0-5201-RV	NC	C	1	RV	SA	A	C	O	M-0029-2	D-5	RT	Y10			
			Valve Name DG FUEL OIL-XFER PUMP DISCH RELIEF VLV												
0-5201-SO	NC	B	1	GA	SO	A	C	O	M-0029-2	A-6	SO	M3			TP-52A
			Valve Name DG FUEL OIL-XFER PUMP TO DAYTANK SOL VLV												
0-5206-CK1	NC	C	0.5	CK	SA	A	SYS	O/C	M-0029-2	D-7	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL- DUPLEX FILTER 10PSI CHK VLV												
0-5206-CK2	NC	C	0.5	CK	SA	A	SYS	O/C	M-0029-2	D-7	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL-DUPLEX FILTER 10 PSI CHK VLV												
0-5206-CK3	NC	C	0.5	CK	SA	A	SYS	O/C	M-0029-2	D-7	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL-DUPLEX FILTER 65 PSI CHK VLV												
0-5299-005	NC	C	1.5	CK	SA	A	SYS	O	M-0029-2	D-5	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL-XFER PUMP DISCH CHK VLV												
0-5299-042	NC	N/A	0.5	CK	SA	N/A	SYS	O	M-0029-2	D-6	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name ENGINE DRIVEN FUEL PUMP DISCHARGE CHECK VALVE												
0-5299-157	NC	N/A	0.5	CK	SA	N/A	SYS	O/C	M-0029-2	E-6	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG ENGINGE DRIVEN FUEL PUMP DISCHARGE CHECK VALVE												
0-5299-158	NC	N/A	0.375	CK	SA	N/A	SYS	O	M-0029-2	D-6	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name DIESEL OIL - EXCESS FUEL RETURN VALVE												
1-5201-RV	NC	C	1	RV	SA	A	C	O	M-0029-2	D-2	RT	Y10			
			Valve Name DG FUEL OIL-XFER PUMP DISCH RELIEF VALVE												
1-5201-SO	NC	B	1	GA	SO	A	C	O	M-0029-2	A-2	SO	M3			TP-52A
			Valve Name DG FUEL OIL-XFER PUMP TO DAYTANK SOL VLV												
1-5206-CK1	NC	C	0.5	CK	SA	A	SYS	O/C	M-0029-2	D-4	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL-DUPLEX FILTER 10 PSI CHK VLV												
1-5206-CK2	NC	C	0.5	CK	SA	A	SYS	O/C	M-0029-2	D-4	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL-DUPLEX FILTER 10 PSI CHK VLV												
1-5206-CK3	NC	C	0.5	CK	SA	A	SYS	O/C	M-0029-2	D-4	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL-DUPLEX FILTER 65 PSI CHK VLV												

Diesel Generator Fuel Oil Transfer (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-5299-003	NC	C	1.5	CK	SA	A	SYS	O	M-0029-2	D-2	CO	SA			TP-00J
			Valve Name DG FUEL OIL-XFER PUMP DISCH RELIEF CHK												
1-5299-005	NC	C	1.5	CK	SA	A	SYS	O	M-0029-2	D-2	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL-XFER PUMP DISCH CHK VLV												
1-5299-042	NC	N/A	0.5	CK	SA	N/A	SYS	O	M-0029-2	D-4	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name ENGINE DRIVEN FUEL PUMP DISCHARGE CHECK VALVE												
1-5299-157	NC	N/A	0.5	CK	SA	N/A	SYS	O/C	M-0029-2	D-4	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG ENGINGE DRIVEN FUEL PUMP DISCHARGE CHECK VALVE												
1-5299-158	NC	N/A	0.375	CK	SA	N/A	SYS	O	M-0029-2	D-4	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name DIESEL OIL - EXCESS FUEL RETURN VALVE												
2-5201-RV	NC	C	1	RV	SA	A	C	O	M-0029-2	D-7	RT	Y10			
			Valve Name DG FUEL OIL-XFER PUMP DISCH RELIEF VALVE												
2-5201-SO	NC	B	1	GA	SO	A	C	O	M-0029-2	A-8	SO	M3			TP-52A
			Valve Name DG FUEL OIL-XFER PUMP TO DAYTANK SOL VLV												
2-5206-CK1	NC	C	0.5	CK	SA	A	SYS	O/C	M-0029-2	D-4	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL-DUPLEX FILTER 10 PSI CHK VLV												
2-5206-CK2	NC	C	0.5	CK	SA	A	SYS	O/C	M-0029-2	D-4	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL-DUPLEX FILTER 10 PSI CHK VLV												
2-5206-CK3	NC	C	0.5	CK	SA	A	SYS	O/C	M-0029-2	D-4	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL-DUPLEX FILTER 65 PSI CHK VLV												
2-5299-003	NC	C	1.5	CK	SA	A	SYS	O	M-0029-2	D-8	CO	SA			TP-00J
			Valve Name DG FUEL OIL-XFER PUMP DISCH RELIEF CHK												
2-5299-005	NC	C	1.5	CK	SA	A	SYS	O	M-0029-2	D-8	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG FUEL OIL-XFER PUMP DISCH CHK VLV												
2-5299-042	NC	N/A	0.5	CK	SA	N/A	SYS	O	M-0029-2	D-9	CC	N/A			CTP00-04
											CO	M3			CTP00-04
			Valve Name ENGINE DRIVEN FUEL PUMP DISCHARGE CHECK VALVE												
2-5299-157	NC	N/A	0.5	CK	SA	N/A	SYS	O/C	M-0029-2	D-9	CC	M3			CTP00-04
											CO	M3			CTP00-04
			Valve Name DG ENGINGE DRIVEN FUEL PUMP DISCHARGE CHECK VALVE												

Diesel Generator Fuel Oil Transfer (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-5299-158	NC	N/A	0.375	CK	SA	N/A	SYS	O	M-0029-2	D-9	CC	N/A			CTP00-04
											CO	M3			CTP00-04

Valve Name DIESEL OIL - EXCESS FUEL RETURN VALVE

Control Room Ventilation (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0-5741-319A-AO	3	B	2.5	DIA	AO	A	C	O	M-0725-3	E-8	FO	M3			
											PI	Y2			
											SO	M3			
			Valve Name CR HVAC-RHRSW FLOW CONTROL VALVE												
0-5741-319B-AO	3	B	3	DIA	AO	A	C	C	M-0725-3	E-9	FC	M3			TP-00C
											PI	Y2			
											SC	M3			
			Valve Name CR HVAC-NSR SERVICE WATER FLOW CONTROL												
0-5741-321B	NC	B	0.625	GA	SO	A	C	O	M-0725-3	B-7	SO	M3			
			Valve Name CR HVAC TOXIC GAS SAMPLE ISOLATION VALVE												
0-5741-333-FCV	3	B	2.5	DIA	AO	A	O	O	M-0725-3	E-8	FO	M3			
											SO	M3			
			Valve Name CR HVAC-SERVICE WATER FLOW CONTROL VALVE												
0-5741-339-SO	3	B	1.5	GA	SO	A	C	O	M-0725-3	E-4	FO	M3			CTP00-04
											SO	M3			CTP00-04
			Valve Name SOV IN REFRIGERATION CONDENSING UNIT												
0-5741-345-RV	NS	C	2	RV	SA	A	C	O	M-0725-3	D-7	RT	Y10			
			Valve Name CR HVAC-SERVICE WATER DISCH RELIEF VLV												
0-5799-381	3	B	2.5	GL	M	A	C	O	M-0725-3	E-8	SO	M3			TP-00I
			Valve Name CR HVAC-FLOW CONTROL VLV MANUAL BYPASS												
1-5799-386	3	C	2.5	CK	SA	A	SYS	O/C	M-0725-3	F-8	CC	M3			
											CO	M3			
			Valve Name CONTROL ROOM HVAC SUPPLY FROM RHRSW CHK												
2-5799-386	3	C	2.5	CK	SA	A	SYS	O/C	M-0725-3	F-9	CC	M3			
											CO	M3			
			Valve Name CONTROL ROOM HVAC SUPPLY FROM RHRSW CHK												

Standby Gas Treatment (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0-7504A-MO	NC	B	4	BTF	MO	A	O	O/C	M-0044	E-4	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name SBGT-COOLING AIR INLET															
0-7504B-MO	NC	B	4	BTF	MO	A	O	O/C	M-0044	B-4	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name SBGT-COOLING AIR INLET															
0-7505A-MO	NC	B	24	BTF	MO	A	C	O/C	M-0044	E-3	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name SBGT-TRAIN SELECT & INLET ISOL VLV															
0-7505B-MO	NC	B	24	BTF	MO	A	C	O/C	M-0044	C-4	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name SBGT-TRAIN SELECT & INLET ISOL VLV															
0-7507A-MO	NC	B	24	BTF	MO	A	C	O/C	M-0044	E-9	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name SBGT-TRAIN SELECT & OUTLET ISOL VLV															
0-7507B-MO	NC	B	24	BTF	MO	A	C	O/C	M-0044	C-9	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name SBGT-TRAIN SELECT & OUTLET ISOL VLV															
0-7509-MO	NC	B	24	BTF	MO	P	LO	O	M-0044	C-8	PI	Y2			
Valve Name SBGT-TRAIN CROSS-TIE VALVE															
0-7510A-AO	NC	B	16	BTF	AO	A	O	O	M-0044	E-8	FO	M3			
											SO	M3			
Valve Name SBGT-TRAIN FLOW CONTROL VALVE															
0-7510B-AO	NC	B	16	BTF	AO	A	O	O	M-0044	B-8	FO	M3			
											SO	M3			
Valve Name SBGT-TRAIN FLOW CONTROL VALVE															
1-7503-MO	NC	B	18	BTF	MO	A	O	O/C	M-0044	C-1	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name SBGT-TRAIN INLET ISOLATION VALVE															

Standby Gas Treatment (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-7503-MO	NC	B	18	BTF	MO	A	O	O/C	M-0044	E-1	PI	Y2			
											SC	M3			
											SO	M3			

Valve Name SBGT-TRAIN INLET ISOLATION VALVE

Process Sampling (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-8800-2B	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2C	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2D	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2E	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2F	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2G	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2H	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2I	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2J	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2K	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2L	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2M	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2N	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2O	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2P	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2Q	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2R	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2S	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											

Process Sampling (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-8800-2T	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2U	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-2V	NC	A	0.5	GA	M	P	C	C	M-0461-1	C-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3B	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3C	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3D	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3E	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3F	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3G	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3H	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3I	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3J	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3K	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3L	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3M	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3N	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3O	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
1-8800-3P	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											

Process Sampling (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-8800-3Q	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
		Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE												
1-8800-3R	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
		Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE												
1-8800-3S	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
		Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE												
1-8800-3T	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
		Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE												
1-8800-3U	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
		Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE												
1-8800-3V	NC	A	0.5	GA	M	P	C	C	M-0461-1	D-2	LT	AJ			TP-00G
		Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE												
1-8801A-AO	NC	A	0.75	DIA	AO	A	O	C	M-0461-1	D-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE												
1-8801B-AO	NC	A	0.75	DIA	AO	A	O	C	M-0461-1	C-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE												
1-8801C-AO	NC	A	0.75	DIA	AO	A	O	C	M-0461-1	B-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE												
1-8801D-AO	NC	A	0.75	DIA	AO	A	O	C	M-0461-1	B-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name	PROCESS SAMPLING-TORUS AIR SAMPLE												
1-8802A-AO	NC	A	0.75	DIA	AO	A	O	C	M-0461-1	D-4	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE												

Process Sampling (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-8802B-AO	NC	A	0.75	DIA	AO	A	O	C	M-0461-1	C-4	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE												
1-8802C-AO	NC	A	0.75	DIA	AO	A	O	C	M-0461-1	B-4	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE												
1-8802D-AO	NC	A	0.75	DIA	AO	A	O	C	M-0461-1	B-4	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PROCESS SAMPLING-TORUS AIR SAMPLE												
1-8803-AO	NC	A	2	GL	AO	A	O	C	M-0461-1	D-5	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PROCESS SAMPLING-CONTAINMENT AIR SAMPLE RETURN												
1-8804-AO	NC	A	2	GL	AO	A	O	C	M-0461-1	D-5	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
			Valve Name PROCESS SAMPLING-CONTAINMENT AIR SAMPLE RETURN												
2-8800-2B	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE												
2-8800-2C	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE												
2-8800-2D	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE												
2-8800-2E	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE												
2-8800-2F	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE												
2-8800-2G	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE												
2-8800-2H	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE												

Process Sampling (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-8800-2I	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2J	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2K	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2L	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2M	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2N	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2O	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2P	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2Q	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2R	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2S	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2T	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2U	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-2V	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3B	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3C	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3D	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3E	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											

Process Sampling (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-8800-3F	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3G	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3H	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3I	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3J	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3K	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3L	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3M	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3N	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3O	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3P	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3Q	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3R	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3S	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3T	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3U	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											
2-8800-3V	NC	A	0.5	GA	M	P	C	C	M-0463-1	G-7	LT	AJ			TP-00G
			Valve Name	PROCESS SAMPLING-DRYWELL AIR SAMPLE											

Process Sampling (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-8801A-AO	NC	A	0.75	DIA	AO	A	O	C	M-0463-1	E-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE													
2-8801B-AO	NC	A	0.75	DIA	AO	A	O	C	M-0463-1	D-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE													
2-8801C-AO	NC	A	0.75	DIA	AO	A	O	C	M-0463-1	C-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE													
2-8801D-AO	NC	A	0.75	DIA	AO	A	O	C	M-0463-1	E-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PROCESS SAMPLING-TORUS AIR SAMPLE													
2-8802A-AO	NC	A	0.75	DIA	AO	A	O	C	M-0463-1	E-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE													
2-8802B-AO	NC	A	0.75	DIA	AO	A	O	C	M-0463-1	D-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE													
2-8802C-AO	NC	A	0.75	DIA	AO	A	O	C	M-0463-1	C-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PROCESS SAMPLING-DRYWELL AIR SAMPLE													
2-8802D-AO	NC	A	0.75	DIA	AO	A	O	C	M-0463-1	E-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PROCESS SAMPLING-TORUS AIR SAMPLE													

Process Sampling (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2-8803-AO	NC	A	2	GL	AO	A	O	C	M-0463-1	B-2	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PROCESS SAMPLING-CONTAINMENT AIR SAMPLE RETURN													
2-8804-AO	NC	A	2	GL	AO	A	O	C	M-0463-1	B-3	FC	M3			TP-00C
											LT	AJ			TP-00G
											PI	Y2			
											SC	M3			
		Valve Name PROCESS SAMPLING-CONTAINMENT AIR SAMPLE RETURN													

High Radiation Sampling (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coor.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1-8941-101-XCV	NC	B	0.5	DIA	AO	A	C	C	M-1057-1	C-6	FC	M3			TP-00C
											PI	Y2			TP-00C
											SC	M3			
		Valve Name	SBGT/CAS-SAMPLING ISOLATION VALVE												
1-8941-705-XCV	2	B	0.5	DIA	AO	A	C	C	M-1056-1	C-6	FC	M3			TP-00C
											PI	Y2			TP-00C
											SC	M3			
		Valve Name	CORE SPRAY-SAMPLING SELECT VALVE												
2-8941-101-XCV	NC	B	0.5	DIA	AO	A	C	C	M-1062-1	C-6	FC	M3			TP-00C
											PI	Y2			TP-00C
											SC	M3			
		Valve Name	SBGT/CAS-SAMPLING ISOLATION VALVE												
2-8941-705-XCV	2	B	0.5	DIA	AO	A	C	C	M-1061-1	C-6	FC	M3			TP-00C
											PI	Y2			TP-00C
											SC	M3			
		Valve Name	CORE SPRAY-SAMPLING SELECT VALVE												
2-8941-761-RV	NS	C	1	RV	SA	A	C	O	M-1061-1	A-7	RT	Y10			
		Valve Name	RX BLDG EQUIP DRNS DW FLR DRN SUMP PP DISCHARGE RV												
2-8941-762-RV	NS	C	1	RV	SA	A	C	O	M-1061-1	A-5	RT	Y10			
		Valve Name	RX BLDG EQUIP DRNS DW FLR DRN SUMP PP DISCHARGE RV												